OSHA 200 LOG RECORDABLE
INJURY/ILLNESS INCIDENCE RATES FOR
YEAR 2000
FOR
EIGHT PARTICIPATING SHIPYARDS

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National Institute for Occupational Safety and Health
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Milestone # 9

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For the year 2000, there were 3,656 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 55.5 per 100 full-time employees (fte), based on a total of 13,171,202 worker hours for that year (3,656 x 200,000/13,171,202). The Days Away from Work case rate was 9.2 per 100 fte. For strictly Restricted or Light Duty Day cases, the incident rate was 24.3 per 100 fte.

Overall, upper extremity injuries accounted for 29.3% of all cases, lower extremity injuries 17.5%, back injuries 12.9%, head injuries including eyes and ears 34.4%, and other locations 5.9%.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 29.4% of the total cases, 56.7% of the Days Away from Work cases, and 43.9% of the Restricted or Light Duty Day cases. The MSD incident rate was 16.3 MSD’s per 100 fte. The MSD Days Away from Work incident rate was 5.2 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 10.7 per 100 fte. The upper extremities accounted for 27.9% of the MSD injuries, the lower extremities 27.1%, the back 41.1%, and other location 3.9%.
Bath Iron Works 2000 Total Injuries by Body Part

- Upper Extremity: 29.3%
- Lower Extremity: 17.5%
- Back: 12.9%
- Head: 5.9%
- Other: 34.4%

Bath Iron Works 2000 MSD Injuries by Body Part

- Upper Extremity: 27.9%
- Lower Extremity: 41.1%
- Back: 3.9%
- Head: 27.1%
- Other: 5.9%
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<tbody>
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<tr>
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For the year 2000, there were 130 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 32.7 per 100 full-time employees (fte), based on a total of 794,349 worker hours for that year (130 x 200,000/794,349). The Days Away from Work case (n = 39) rate was 9.8 per 100 fte. For strictly Restricted or Light Duty Day cases (n = 32), the incident rate was 8.6 per 100 fte. The No Lost Workday case (n = 98), incident rate was 24.7 per 100 fte.

Overall, upper extremity injuries accounted for 22.3 % of all cases, lower extremity injuries 18.5 %, head injuries including eyes and ears 43.1 %, back injuries 10.0 %, and other locations 6.2 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 26.9 % of the total cases, 60.2 % of the Days Away from Work cases, and 50.0 % of the Restricted or Light Duty Day cases. The MSD incident rate was 8.8 MSD’s per 100 fte. The MSD Days Away from Work incident rate was 6.0 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 4.3 per 100 fte. The upper extremities accounted for 22.9 % of the MSD injuries, the lower extremities 40.0 %, the back 28.6 %, and other 8.6 %.
Continental Maritime 2000 Total Injuries by Body Part

- Upper Extremity: 22.3%
- Lower Extremity: 18.5%
- Back: 10%
- Head: 43.1%
- Other: 6.2%

Continental Maritime 2000 MSD Injuries by Body Part

- Upper Extremity: 22.9%
- Lower Extremity: 40%
- Back: 28.6%
- Head: 8.6%
- Other: 40%
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<tr>
<td>MSD RLDD</td>
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<td>6.9</td>
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For the year 2000, there were 19 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 6.9 per 100 full-time employees (fte), based on a total of 547,445 worker hours for that year (19 x 200,000/547,445). The Days Away from Work case rate was 0.4 per 100 fte. For strictly Restricted or Light Duty Day cases, the incident rate was 2.2 per 100 fte.

Overall, upper extremity injuries accounted for 36.8 % of all cases, lower extremity injuries 31.6 %, back injuries 21.1 %, and head injuries including eyes and ears 10.5 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 47.4 % of the total cases, 100.0 % of the Days Away from Work cases (n = 1), and 66.7 % of the Restricted or Light Duty Day cases. The MSD incident rate was 3.3 MSD’s per 100 fte. The MSD Days Away from Work incident rate was 0.4 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 1.5 per 100 fte. The upper extremities accounted for 22.2 % of the MSD injuries, the lower extremities 33.3 %, and the back 44.4 %.
Halter Marine Moss Point 2000 Total Injuries by Body Part

Halter Marine Moss Point 2000 MSD Injuries by Body Part
<table>
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<td>MSD RLDD</td>
<td>30</td>
<td>64.2</td>
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For the year 2000, there were 69 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 6.7 per 100 full-time employees (fte), based on a total of 2,057,819 worker hours for that year (69 x 200,000/2,057,819). The Days Away from Work case rate was 1.7 per 100 fte. For strictly Restricted or Light Duty Day cases, the incident rate was 1.9 per 100 fte.

Overall, upper extremity injuries accounted for 30.4 % of all cases, lower extremity injuries 24.6 %, back injuries 17.4 %, head injuries including eyes and ears 18.8 %, and other locations 8.7 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 30.4 % of the total cases, 58.8 % of the Days Away from Work cases, and 45.0 % of the Restricted or Light Duty Day cases. The MSD incident rate was 2.0 MSD’s per 100 fte. The MSD Days Away from Work incident rate was 1.0 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 0.9 per 100 fte. The upper extremities accounted for 19.0 % of the MSD injuries, the lower extremities 28.6 %, the back 47.6 % and other locations 4.8 %.
Jeffboat LLC 2000 Total Injuries by Body Part

- Upper Extremity: 30.4%
- Lower Extremity: 24.6%
- Back: 17.4%
- Head: 18.8%
- Other: 8.7%

Jeffboat LLC 2000 MSD Injuries by Body Part

- Upper Extremity: 19%
- Lower Extremity: 28.6%
- Back: 47.6%
- Head: 4.8%
- Other: 4.8%
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<tr>
<td>MSD RLDD</td>
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<td>15.2</td>
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For the year 2000, there were 6,181 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 61.3 per 100 full-time employees (fte), based on a total of 20,173,250 worker hours for that year (6,181 x 200,000/20,173,250). The Days Away from Work case rate was 6.3 per 100 fte. For strictly Restricted or Light Duty Day cases, the incident rate was 16.3 per 100 fte.

Overall, upper extremity injuries accounted for 37.0 % of all cases, lower extremity injuries 20.1 %, back injuries 12.7 %, head injuries including eyes and ears 24.6 %, and other locations 5.7 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 32.9 % of the total cases, 57.7 % of the Days Away from Work cases, and 45.8 % of the Restricted or Light Duty Day cases. The MSD incident rate was 20.2 MSD’s per 100 fte. The MSD Days Away from Work incident rate was 3.6 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 7.5 per 100 fte. The upper extremities accounted for 32.6 % of the MSD injuries, the lower extremities 27.4 %, the back 35.2 %, and other location 4.8 %. 

![Litton Ingalls Shipbuilding Incidence Rate -- 2000](image-url)
Litton Ingalls Shipbuilding 2000 Total Injuries by Body Part

- Upper Extremity: 37%
- Lower Extremity: 24.6%
- Back: 12.7%
- Head: 20.1%
- Other: 5.7%

Litton Ingalls Shipbuilding 2000 MSD Injuries by Body Part

- Upper Extremity: 35.2%
- Lower Extremity: 27.4%
- Back: 32.6%
- Other: 4.8%
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<tr>
<td>MSD RLDD</td>
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<td>11.2</td>
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</table>
For the year 2000, there were 248 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 32.8 per 100 full-time employees (fte), based on a total of 1,511,343 worker hours for that year (248 x 200,000/1,511,343). The Days Away from Work case rate was 10.1 per 100 fte. For strictly Restricted or Light Duty Day cases, the incident rate was 17.5 per 100 fte. The No Lost Workday case, incident rate was 9.9 per 100 fte.

Overall, upper extremity injuries accounted for 33.9 % of all cases, lower extremity injuries 23.0 %, back injuries 24.2 %, head injuries including eyes and ears 18.1 %, and other locations 0.8 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 58.1 % of the total cases, 76.3 % of the Days Away from Work cases, and 76.5 % of the Restricted or Light Duty Day cases. The MSD incident rate was 19.1 MSD’s per 100 fte. The MSD Days Away from Work incident rate was 7.7 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 13.4 per 100 fte. The upper extremities accounted for 31.9 % of the MSD injuries, the lower extremities 28.5 %, and the back 39.6 %.
Marinette Marine 2000 Total Injuries by Body Part

- Upper Extremity: 33.9
- Lower Extremity: 24.2
- Back: 18.1
- Head: 23
- Other: 0.8

Marinette Marine 2000 MSD Injuries by Body Part

- Upper Extremity: 31.9
- Lower Extremity: 28.5
- Back: 39.6
<table>
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<tr>
<td>Total RLDD</td>
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<td>MSD DAW</td>
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<td>26.1</td>
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<tr>
<td>MSD RLDD</td>
<td>7</td>
<td>27.8</td>
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For the year 2000, there were 1,185 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 16.2 per 100 full-time employees (fte), based on a total of 14,658,304 worker hours for that year (1,185 x 200,000/14,658,304). The Days Away from Work case rate was 3.8 per 100 fte.

Overall, upper extremity injuries accounted for 36.3 % of all cases, lower extremity injuries 21.4 %, back injuries 18.9 %, head injuries including eyes and ears 15.3 %, and other locations 9.0 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 53.8 % of the total cases and 62.7 % of the Days Away from Work cases. The MSD incident rate was 8.7 MSD’s per 100 fte. The MSD Days Away from Work incident rate was 2.4 per 100 fte. The upper extremities accounted for 35.6 % of the MSD injuries, the lower extremities 25.1 %, the back 34.2 %, and other location 5.2 %.
Puget Sound Naval Shipyard 2000 Total Injuries by Body Part

- Upper Extremity: 36.3%
- Lower Extremity: 21.4%
- Back: 18.9%
- Head: 15.3%
- Other: 9%

Puget Sound Naval Shipyard 2000 MSD Injuries by Body Part

- Upper Extremity: 35.6%
- Lower Extremity: 25.1%
- Back: 34.2%
- Head: 5.2%
- Other: 0%
<table>
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<tr>
<td>Total DAW</td>
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<tr>
<td>MSD DAW</td>
<td>8</td>
<td>11.5</td>
</tr>
</tbody>
</table>
For the year 2000, there were 156 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 15.9 per 100 full-time employees (fte), based on a total of 1,962,054 worker hours for that year (156 x 200,000/1,962,054). The Days Away from Work case rate was 7.3 per 100 fte. For strictly Restricted or Light Duty Day cases, the incident rate was 4.2 per 100 fte. The No Lost Workday case, incident rate was 5.2 per 100 fte.

Overall, upper extremity injuries accounted for 30.8 % of all cases, lower extremity injuries 18.6 %, back injuries 23.7 %, head injuries including eyes and ears 19.2 %, and other locations 7.7 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 57.1 % of the total cases, 80.6 % of the Days Away from Work cases, and 78.0 % of the Restricted or Light Duty Day cases. The MSD incident rate was 9.1 MSD’s per 100 fte. The MSD Days Away from Work incident rate was 5.9 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 3.3 per 100 fte. The upper extremities accounted for 22.5 % of the MSD injuries, the lower extremities 27.0 %, the back 41.6 % and other location 9.0 %.
<table>
<thead>
<tr>
<th>Todd Pacific Shipyards 2000 OSHA 200 Log Analysis</th>
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<td>MSD DAW</td>
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<tr>
<td>MSD RLDD</td>
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<td>7.8</td>
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Combining the information from the eight participating shipyards and reporting averaged data, the group Recordable Injury/Illness incidence rate for the year 2000 was 28.5 cases per 100 full-time employees (fte). The group Days Away from Work case rate was 6.1 per 100 fte. For strictly Restricted or Light Duty Day cases, the group incident rate was 10.7 per 100 fte.

Overall, upper extremity injuries accounted for 32.1% of all cases, lower extremity injuries 21.9%, back injuries 17.6%, head injuries including eyes and ears 23.0%, and other locations 5.5%.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD’s represented 42.0% of the total cases, 69.1% of the Days Away from Work cases, and 58.0% of the Restricted or Light Duty Day cases. The MSD group incident rate was 10.9 MSD’s per 100 fte. The MSD Days Away from Work group incident rate was 4.0 per 100 fte. The MSD Restricted or Light Duty Day group incident rate was 5.9 per 100 fte. The upper extremities accounted for 26.8% of the MSD injuries, the lower extremities 29.6%, the back 39.0%, and other location 4.5%.