OARS & OSHA 300: 2014 YEAR-END REVIEW

Stuart Cordts | Program Operations Specialist
Research and Occupational Safety Office
March 11, 2015
OARS & OSHA 300: 2014 Year-End Review

- Review of 2014 OARS Reports
- “Recordable” Injuries
- Incident Rates for UW
2014 OARS Reports

- Total Reports: 3,193
- HSC-12: 2,122 (66%)
- HSC-2: 322 (10%)
- HSC-3: 148 (5%)
- HSC-4: 286 (9%)
- HSC-6: 102 (3%)
- HSC-7: 16 (1%)
- HSC-8: 18 (1%)
- HSC-9: 41 (1%)
- HSC-10: 42 (1%)
- HSC-1: 96 (3%)
- HSC-5: 102 (3%)
- HSC-11: 1 (less than 1%)

Percent of Total Reports

- HSC-12: 66%
- HSC-2: 10%
- HSC-3: 5%
- HSC-4: 9%
- HSC-6: 3%
- HSC-7: 1%
- HSC-8: 1%
- HSC-9: 1%
- HSC-10: 1%
- HSC-1: 3%
- HSC-5: 3%
- HSC-11: less than 1%
2014 OARS Reports

![Bar chart showing the distribution of reports submitted by Health and Safety Committee members.]

- **HSC-1**: 96 reports (3% of total)
- **HSC-2**: 322 reports (10% of total)
- **HSC-3**: 148 reports (5% of total)
- **HSC-4**: 286 reports (9% of total)
- **HSC-6**: 102 reports (3% of total)
- **HSC-7**: 16 reports (1% of total)
- **HSC-8**: 18 reports (1% of total)
- **HSC-9**: 41 reports (1% of total)
- **HSC-10**: 42 reports (1% of total)
- **HSC-12**: 2,122 reports (66% of total)

Total reports submitted: 3,193
OARS Reports – 2012-2014 Cause of Harm

- Overexert.
- Needles
- Slip/Trip
- Violence
- Contact w/ Patient
- H. Inf. Matl.
- Chemicals
- None
- “Other”
- Fall from Ht.
- Tools
- Bite/Scratch
- Motor Veh.
- Other Cat.
OARS Reports – 2012-2014 Nature of Injury

Percentages of Total Reports

Nature of Injury Categories

- Sprains
- Inf. Mat'l.
- None
- Pain
- Cuts
- Needlestick
- Bruise
- Allergy
- Splash
- Fracture
- Burns
- "Other"
- Distress
- Loss of C.
- Respiratory
- Other Cat.

2014 (3193 Total Reports)
2013 (3146 Total Reports)
2012 (2910 Total Reports)
Reporting Requirements via OARS

WAC 296-27: Employer must:

• Ensure Employees Report Injuries and Illnesses
• List Significant Incidents on the OSHA 300 Log
• Post OSHA 300A Summaries (Feb 1 - Apr 30)
• Provide Data to BLS upon Request
Required: Complete an Injury Report

UW Accident / Incident Report (from OARS)

Essentially Similar to OSHA Form 301
Reporting Requirements via OARS

Deja Vu

WAC 296-27: Employer must:

• Ensure Employees Report Injuries and Illnesses
• List Significant Incidents on the OSHA 300 Log
• Post OSHA 300A Summaries (Feb 1 - Apr 30)
• Provide Data to BLS upon Request
OARS Reports ≠ OSHA Recordables”

COMPARISON OF NUMBER "RECORDABLE" CASES AND OARS REPORTS, BY INCIDENT DATE, 2007 - 2014

- "Recordable" Cases
- Cases in OARS

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>&quot;Recordable&quot; Cases</th>
<th>Cases in OARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>1374</td>
<td>1999</td>
</tr>
<tr>
<td>2008</td>
<td>1289</td>
<td>2149</td>
</tr>
<tr>
<td>2009</td>
<td>1257</td>
<td>2715</td>
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<tr>
<td>2010</td>
<td>1201</td>
<td>2528</td>
</tr>
<tr>
<td>2011</td>
<td>1066</td>
<td>2941</td>
</tr>
<tr>
<td>2012</td>
<td>847</td>
<td>2926</td>
</tr>
<tr>
<td>2013</td>
<td>1013</td>
<td>3100</td>
</tr>
<tr>
<td>2014</td>
<td>1181</td>
<td>3342</td>
</tr>
</tbody>
</table>
“Recordables”

Recordable criteria (employees only):

- Death
- Days away from work
- Restricted work or transfer to another job
- Medical treatment beyond first aid
- Loss of consciousness
- Significant injury or illness diagnosed by a physician or other licensed health care professional
Diagnosed Injuries or Illnesses

Significant diagnosed injuries and illnesses:

• Needlesticks/sharps involving potentially infectious materials
• Medical removal under OSHA standards
• Occupational hearing loss
• Work-related tuberculosis
“Recordable” Accidents
“Recordable” Accidents

EH&S Tasks:

• Determine “Recordables”
• OSHA Reporting
“Recordable” Accidents

EH&S Tasks:

• Determine “Recordables”

• OSHA Reporting

Risk Management

• L&I Claim Handling
2014 “Recordables” Totals, by HSC, %
2014 Individual HSC “Recordables” Metrics

![Bar Chart]

- **Total Recordable Injuries (N = 311)**
  - Group 1: 29
  - Group 2: 93
  - Group 3: 56
  - Group 4: 92
  - Group 6: 16
  - Group 7: 4
  - Group 8: 3
  - Group 9: 9
  - Group 10: 9

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4/10/2015

Environmental Health and Safety | University of Washington
# OSHA 300A Details

## OSHA’s Form 300A (Rev. 01/2004)

### Summary of Work-Related Injuries and Illnesses

All establishments covered by the Federal OSHA must complete this Summary page, even if no injuries or illnesses occurred during the year. Therefore, review the Log to verify that the entries are complete and accurate before completing this summary. If you have no entries to report, please leave the spaces in the Log blank. If an entry contains "0," the total number of cases with job transfers or restrictions is zero. If you have more than one type of injury or illness, report the data for each type of injury or illness separately.

<table>
<thead>
<tr>
<th>Number of Cases</th>
<th>Total number of deaths</th>
<th>Total number of cases with job transfer or restriction</th>
<th>Total number of other recordable cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>(g)</td>
<td>(h)</td>
<td>(i)</td>
<td>(j)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of Days</th>
<th>Total number of days away from work</th>
<th>Total number of days of job transfer or restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>(k)</td>
<td>(l)</td>
<td>(m)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Injury and Illness Types</th>
<th>Total number of cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>(n)</td>
<td></td>
</tr>
<tr>
<td>(1) Injury</td>
<td></td>
</tr>
<tr>
<td>(2) Skin Disorder</td>
<td></td>
</tr>
<tr>
<td>(3) Respiratory Condition</td>
<td></td>
</tr>
<tr>
<td>(4) All Other Illnesses</td>
<td></td>
</tr>
</tbody>
</table>

Post this Summary page from February 1 to April 30 of the year following the year covered by the form. Public use of this document is prohibited. The information collected is exempt from mandatory disclosure pursuant to Section 572 of the Federal Information Policy Act of 1972 (5 U.S.C. 552). Document at risk of misuse or misappropriation. Any unauthorized use of this document is considered a violation of Federal law. Use only by authorized personnel. Return this document to the appropriate government agency. No personal data is required. This document is for informational purposes only. Any unauthorized use is prohibited by law. This document is for informational purposes only. Any unauthorized use is prohibited by law. This document is for informational purposes only. Any unauthorized use is prohibited by law.

### Establishment Information

- **Year**: 2014
- **OSHA 300A Form 300A**: (Rev. 01/2004)

<table>
<thead>
<tr>
<th>Year establishment name</th>
<th>University of Washington</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>3900 15th Avenue NE</td>
</tr>
<tr>
<td>City</td>
<td>Seattle</td>
</tr>
<tr>
<td>State</td>
<td>Washington</td>
</tr>
<tr>
<td>Zip</td>
<td>98105</td>
</tr>
<tr>
<td>Industry (e.g., Wholesale Distributors)</td>
<td>Higher Education</td>
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<tr>
<td>Standard Industrial Classification (SIC)</td>
<td>2123</td>
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<tr>
<td>NAIC North American Industry Classification (NACE)</td>
<td>621210</td>
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</table>

<table>
<thead>
<tr>
<th>Employment Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual average number of employees</td>
<td>36,459</td>
</tr>
<tr>
<td>Total hours worked by all employees last year</td>
<td>92,216,507</td>
</tr>
</tbody>
</table>

**Signature**

Yates, Vice President

**Date**

1-27-2015
### Number of Cases

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of deaths</td>
<td>0</td>
</tr>
<tr>
<td>Total number of days away from work</td>
<td>333</td>
</tr>
<tr>
<td>Total number of cases with job transfer or restriction</td>
<td>57</td>
</tr>
<tr>
<td>Total number of other recordable cases</td>
<td>791</td>
</tr>
</tbody>
</table>

### Number of Days

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of days away from work</td>
<td>10,062</td>
</tr>
<tr>
<td>Total number of days of job transfer or restriction</td>
<td>8,123</td>
</tr>
</tbody>
</table>

### Injury and Illness Types

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Injury</td>
<td>1,154</td>
</tr>
<tr>
<td>(2) Skin Disorder</td>
<td>11</td>
</tr>
<tr>
<td>(3) Respiratory Condition</td>
<td>4</td>
</tr>
<tr>
<td>(4) Poisoning</td>
<td>0</td>
</tr>
<tr>
<td>(5) Hearing Loss</td>
<td>11</td>
</tr>
<tr>
<td>(6) All Other Illnesses</td>
<td>1</td>
</tr>
</tbody>
</table>
“Recordables” Hierarchy

- Injury resulting in days away from work: 230
- Injuries resulting from both days away from work and restricted activity: 103 + 57 = 160
- Injuries resulting in restricted activity: 57

Total: 333
Individual HSC Days Away/Days Restricted Metrics

Days Away from Work (N = 3,842) / Days of Restricted Activity (N = 1,950)
2014 Days Away from Work Causes

![Bar chart showing the percent of total cases for different causes of harm. The causes include:
- Overexertion
- Slip/Trip
- Struck by
- Contact with
- Needles
- Noise
- Tools
- Non-Hum P.
- Fall from Ht.
- Inf. Matl.
- Chemicals
- "Other"
- Machine
- Bite/Scratch
- Motor Veh.
- Other Cat.

The chart indicates that Overexertion is the most common cause, followed by Slip/Trip, Struck by, and Contact with. Other categories such as Noise, Tools, and Non-Hum P. have lower percentages.]}
2014 Days Away from Work Injuries

![Bar chart showing the percentage of total cases for different categories of injuries. The categories include Sprains, Cuts, Pain, Fracture, Inf. Mat'l. Bruise, Hearing L Allergy, Splash Burns, Loss of C. Resp, Heart Cond, Skin Cond, and Punct Ear D. The highest percentage is for Sprains, followed by Cuts, Pain, Fracture, and Inf. Mat'l. Bruise.]
## Health & Safety Committee ~FTE’s

<table>
<thead>
<tr>
<th>HSC</th>
<th>FTEs</th>
<th>HSC</th>
<th>FTEs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC-1 (Admin/Academic)</td>
<td>4,038</td>
<td>HSC-7 (UW-Bothell)</td>
<td>617</td>
</tr>
<tr>
<td>HSC-2 (F2)</td>
<td>2,082</td>
<td>HSC-8 (UW-Tacoma)</td>
<td>563</td>
</tr>
<tr>
<td>HSC-3 (Student Life)</td>
<td>1,022</td>
<td>HSC-9 (C Engineering)</td>
<td>1,182</td>
</tr>
<tr>
<td>HSC-4 (Health Sci.)</td>
<td>8,875</td>
<td>HSC-10 (C Environment)</td>
<td>905</td>
</tr>
<tr>
<td>HSC-6 (C Arts/Sciences)</td>
<td>2,333</td>
<td>HSC-12 (Medical Centers)</td>
<td>9,799</td>
</tr>
</tbody>
</table>
HSC ~FTE’s as a Graph

HSC ~FTE’s, FY 2014

Health and Safety Committee

HSC-1 HSC-2 HSC-3 HSC-4 HSC-6 HSC-7 HSC-8 HSC-9 HSC-10 HSC-12

FTE's

0 2000 4000 6000 8000 10000 12000
Rate Calculations

Rates are per 100 Employees per Year

UW “Recordable” Injuries /Illness Rate in 2014:

\[
\frac{1,181 \text{ Recordables}}{67,215,597 \text{ hours worked}} = \frac{1,181}{67,215,597} \times \frac{200,000 \text{ hours}}{100 \text{ employees}} = 3.51 \text{ per 100 Employees}
\]

Other Rates:
- Days Away from Work per 100 Employees
- Days Restricted/Transferred from Work per 100 Employees
Our “Recordables” Incident Rate

![Incident Rate Chart]

- **All UW**: Incident Rate / 100 Employees
- **UW Excluding Medical Centers**: Incident Rate / 100 Employees

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>All UW</td>
<td>4.8</td>
<td>4.4</td>
<td>3.53</td>
<td>3.07</td>
<td>3.51</td>
</tr>
<tr>
<td>UW Excluding Medical Centers</td>
<td>2.01</td>
<td>1.72</td>
<td>1.65</td>
<td>1.34</td>
<td></td>
</tr>
</tbody>
</table>
# Rates From 2014 UW Data*

Recordable Injuries per 100 Employees

<table>
<thead>
<tr>
<th>Situation</th>
<th>UW Rate</th>
<th>Compared to</th>
<th>Their Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>All UW</td>
<td>3.5</td>
<td>All US Professions</td>
<td>3.5</td>
</tr>
<tr>
<td>UW MC’s</td>
<td>8.9</td>
<td>All State Surgical Hospitals</td>
<td>7.7</td>
</tr>
<tr>
<td>UW Other than MC’s</td>
<td>1.3</td>
<td>All Public Colleges, Universities, Professional Schools</td>
<td>2.1</td>
</tr>
</tbody>
</table>

* National data is from 2013
# Health & Safety Committee Incident Rates

<table>
<thead>
<tr>
<th>Health &amp; Safety Comm</th>
<th>Rate*</th>
<th>Health &amp; Safety Comm</th>
<th>Rate*</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC-1 (Admin/Academic)</td>
<td>0.7</td>
<td>HSC-7 (UW-Bothell)</td>
<td>0.7</td>
</tr>
<tr>
<td>HSC-2 (F2)</td>
<td>4.5</td>
<td>HSC-8 (UW-Tacoma)</td>
<td>0.5</td>
</tr>
<tr>
<td>HSC-3 (Student Life)</td>
<td>5.5</td>
<td>HSC-9 (C Engineering)</td>
<td>0.8</td>
</tr>
<tr>
<td>HSC-4 (Health Sci.)</td>
<td>1.0</td>
<td>HSC-10 (C Environment)</td>
<td>1.0</td>
</tr>
<tr>
<td>HSC-6 (C Arts/Sciences)</td>
<td>0.7</td>
<td>HSC-12 (Medical Centers)</td>
<td>8.9</td>
</tr>
</tbody>
</table>
Health & Safety Committee Incident Rates

Health and Safety Committee Incident Rates, 2014

- All UW
- HSC-1
- HSC-2
- HSC-3
- HSC-4
- HSC-6
- HSC-7
- HSC-8
- HSC-9
- HSC-10
- HSC-12

Incident Rate

Graph showing incident rates for different groups such as All UW, HSC-1 to HSC-12.
Combined 2014 HSC Metrics
OARS Category Improvements

HSC-X 2012 - 2014, NATURE OF INJURY

PERCENT OF TOTAL CASES

NATURE OF INJURY (SEE CATEGORIES BELOW)

- 2014
- 2013
- 2012
OARS Category Improvements

Alphabetize Categories

Nature of Injury → Injury Description:
  • Add Several Categories
  • Deleted: Needlesticks/Sharps; Splashes

Cause of Harm → Cause of Injury:
  • Redefine Several Categories
  • Add Knives separate from Sharps
  • Add Stings
  • Add Several other Categories
Success Stories

Burke-Gilman Trail/Walkways Improvements
SLU Deck Roughening
Wet Floors in Medical Centers
Medical Center’s Smaller Laundry Bags
Medical Center’s SaniCloth Precautions
Conclusion

OARS numbers not the same as “Recordables”

Quality and Use of OARS Has Improved

We depend on you to be an OARS proponent
Acknowledgements

Making OARS Work
• Diana Sartorius
• Emma Alder
• Mary Blanchard
• Mary Dirksen
• Max deLaubenhelfs
• Sherry Baron
• The Health and Safety Committee members and all those at UW

Time for this presentation
• Leslie Anderson, Emma Alder

Stuart Cordts, scordts@uw.edu, 206.616.3442