



# Occupational Health Safety Network V2.0

## USER MANUAL

National Institute for Occupational Safety and  
Health (NIOSH)

Updated May 2017



---

# OHSN USER MANUAL

## TABLE OF CONTENTS

Page #

### Contents

<b>1</b>	<b>GENERAL INFORMATION</b> .....	<b>1-1</b>
1.1	Introduction .....	1-1
1.2	Points of Contact .....	1-1
<b>2</b>	<b>Enrollment</b> .....	<b>2-2</b>
2.1	Enrollment Requirements .....	2-2
2.2	Submitting Enrollment Request.....	2-2
2.3	OHSN Training .....	2-4
<b>3</b>	<b>Accessing OHSN</b> .....	<b>3-4</b>
3.1	User Access Levels .....	3-5
3.2	Log On .....	3-7
3.3	First Time Log On Requirements .....	3-8
3.4	Forgot Password .....	3-9
3.5	Logging Off .....	3-10
<b>4</b>	<b>OHSN Dashboard</b> .....	<b>4-11</b>
<b>5</b>	<b>OHSN Menu</b> .....	<b>5-13</b>
<b>6</b>	<b>Profiles</b> .....	<b>6-15</b>
6.1	User Profiles .....	6-15
6.2	Change Password.....	6-16
6.3	Profile Information for Single Healthcare Facilities.....	6-17
6.3.1	Adding New Users.....	6-18
6.3.2	Editing a User’s Access Level .....	6-19
6.3.3	Removing a User .....	6-21
6.3.4	Facility Denominator Data .....	6-23
6.4	Profile Information for Healthcare Systems .....	6-28
6.4.1	Managing Facilities within a Healthcare System .....	6-29
6.4.2	Managing Healthcare System Users .....	6-32
<b>7</b>	<b>Accessing Facility Data within a Healthcare System</b> .....	<b>7-33</b>
<b>8</b>	<b>OHSN Facility Tools</b> .....	<b>8-34</b>

---

<b>8.1</b>	<b>Downloading the OHSN Facility Tool Package .....</b>	<b>8-35</b>
<b>8.2</b>	<b>Using the NIOSH Provided Excel Spreadsheet .....</b>	<b>8-37</b>
<b>8.3</b>	<b>OHSN Conversion Tool 2.0.....</b>	<b>8-39</b>
8.3.1	Installing the OHSN Conversion Tool .....	8-39
8.3.2	OHSN Conversion Tool Screen .....	8-43
<b>9</b>	<b>Preparing Data for Uploading to OHSN .....</b>	<b>9-45</b>
<b>9.1</b>	<b>Converting Data Collected using a NIOSH Provided Excel Spreadsheet.....</b>	<b>9-46</b>
<b>9.2</b>	<b>Converting Data from Facility Specific Software .....</b>	<b>9-49</b>
9.2.1	Column Mappings .....	9-51
9.2.2	Code Mappings .....	9-54
9.2.3	Adding Columns .....	9-58
<b>9.3</b>	<b>Converting Data from EPINet Software .....</b>	<b>9-60</b>
<b>10</b>	<b>Data Submissions.....</b>	<b>10-68</b>
<b>11</b>	<b>Reports.....</b>	<b>11-71</b>
<b>11.1</b>	<b>Reports for a Single Facility .....</b>	<b>11-71</b>
11.1.1	Facility Reports.....	11-72
11.1.2	Predefined Facility Reports .....	11-77
<b>11.2</b>	<b>Reports for Healthcare Systems.....</b>	<b>11-79</b>
<b>11.3</b>	<b>OHSN Averages &amp; Percentiles Reports .....</b>	<b>11-83</b>
<b>12</b>	<b>Help and User Support .....</b>	<b>12-85</b>
<b>12.1</b>	<b>OHSN User Documentation .....</b>	<b>12-85</b>
<b>12.2</b>	<b>Contact Us / Providing Feedback .....</b>	<b>12-85</b>
<b>12.3</b>	<b>Frequently Asked Questions (FAQ) .....</b>	<b>12-86</b>
<b>12.4</b>	<b>About OHSN .....</b>	<b>12-86</b>
<b>Appendix A – Glossary .....</b>		<b>12-87</b>
<b>APPENDIX B – REFERENCES .....</b>		<b>12-89</b>

---

## User Manual Revision History

Date	By	Revision Description	
4/27/2017	Mobley	In May 2017, the user manual was revised to address a change in using the NIOSH provided Excel file. This change only impacts facilities who choose to participate in OHSN and currently track their injuries and illnesses using hard copy records or the OHSN Excel template provided by NIOSH. We now offer just one NIOSH provided Excel file that can be used to track traumatic injuries and exposures, including sharps injuries and blood and body fluid exposures.	

## Disclaimer

### OHSN Software Usage Disclaimer:

THE MATERIAL EMBODIED IN THIS SOFTWARE IS PROVIDED TO YOU "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL THE CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC) OR THE UNITED STATES (U.S.) GOVERNMENT BE LIABLE TO YOU OR ANYONE ELSE FOR ANY DIRECT, SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER, INCLUDING WITHOUT LIMITATION, LOSS OF PROFIT, LOSS OF USE, SAVINGS OR REVENUE, OR THE CLAIMS OF THIRD PARTIES, WHETHER OR NOT CDC OR THE U.S. GOVERNMENT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSS, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE POSSESSION, USE OR PERFORMANCE OF THIS SOFTWARE.

# 1 GENERAL INFORMATION

## 1.1 Introduction

The Occupational Health Safety Network (OHSN) is a voluntary and secure web-based occupational safety and health surveillance system developed by the National Institute for Occupational Safety and Health (NIOSH), part of the Centers for Disease Control and Prevention (CDC).

OHSN focuses on occupational safety and health issues among healthcare personnel (HCP). OHSN currently allows healthcare facilities to track five injury or exposure events among healthcare personnel:

- 1) Slips, trips, and falls;
- 2) Musculoskeletal disorders resulting from patient movement or handling events;
- 3) Workplace violence;
- 4) Blood and body fluid exposure; and
- 5) Sharps injuries

### Purpose of OHSN

- Analyze and report workplace-specific and aggregated data to (1) illustrate the magnitude of injury and illness events among healthcare workers and (2) to monitor trends in these events
- Serve as a surveillance resource for U.S. workplaces

This User Manual is meant to provide users with a step-by-step process for using the OHSN System. Additional information and training guides can be found on the OHSN information web page at: <https://www.cdc.gov/niosh/topics/ohsn/>

OHSN can be used by single Healthcare Facilities, or a Healthcare System. A Healthcare System is made up of two or more healthcare facilities. Use of OHSN varies slightly for single and system users. This manual provides instruction for both.

## 1.2 Points of Contact

If you have questions, please email us at [NIOSHOHSN@cdc.gov](mailto:NIOSHOHSN@cdc.gov)

## 2 ENROLLMENT

### 2.1 Enrollment Requirements

Only healthcare facilities or systems with an American Hospital Association number are eligible to join OHSN.

To maintain enrollment, the facility/system must

- Submit at least 6 months of data in each 12-month period.
- Agree to the OHSN Rules of Behavior:  
<http://www.cdc.gov/niosh/topics/ohsn/pdfs/ohsnrulesofbehavior.pdf>

### 2.2 Submitting Enrollment Request

To enroll in OHSN, click on the Enrollment option on the OHSN Home Page menu.

<https://wwwn.cdc.gov/niosh-ohsn>



You may also access the enrollment page directly through the OHSN information web page:

<http://www.cdc.gov/niosh/topics/ohsn/enrollment.html>

The **Enrollment** web page will open, providing instructions for enrollment.

Click on the **Enrollment Web Form** link and the Enrollment Request form will be displayed to begin the enrollment process. All fields are required.

Providing National and World Leadership  
to Prevent Workplace Illnesses and Injuries



NIOSH > Occupational Health Safety Network (OHSN) > Enrollment

## OCCUPATIONAL HEALTH SAFETY NETWORK (OHSN)

### Enrollment Request

**Please send OHSN Enrollment Documents for my facility / system to join.**

We plan to join as a:

- Single healthcare facility
- Healthcare system with multiple facilities

Healthcare Facility Name (if applicable):

City:

State:

Healthcare System Name (if applicable):

City:

State:

Point of Contact Name:

Point of Contact Email:

Point of Contact Phone Number:

Point of Contact Mailing Address  
for receiving Federal Express documents.  
Please no PO Box - physical address only:

How are you currently tracking occupational injury events?

- Commercial Software (please specify)
- Internally-developed Software
- Excel
- Hard copy
- Other (please specify)

Notes:

**Please contact [nioshoahsn@cdc.gov](mailto:nioshoahsn@cdc.gov) or 513-841-4337 with any questions.**

Contact information is collected by NIOSH for OHSN user support and account setup. NIOSH will not sell, exchange or otherwise make available information regarding OHSN accounts to anyone for any reason.



Submit



After submitting an enrollment request a message will appear on the screen confirming that NIOSH received the request. Additionally, an email will be sent to the email address provided in the enrollment form stating that NIOSH will contact the requestor within one week to begin the enrollment process.

NIOSH will send the requestor a Data Use Agreement to be signed by both parties via email and will help the requestor determine data conversion support needs, obtain information for user accounts, and discuss options for OHSN training.

NIOSH will set up the initial user account(s) based on information obtained during the enrollment process. Once NIOSH has set up the System/Facility account(s), the account users will receive two emails providing information about accessing the OHSN system.

- The first email sent will confirm that the OHSN account has been set up and will provide the user's log on name.
- The second email sent will provide a temporary password for the user's OHSN account. The user will be required to change this password at first logon. The temporary password is sent separately for security reasons.

## 2.3 OHSN Training

During the enrollment process, NIOSH will work with the facility to identify training needs.

NIOSH provides OHSN training information on the OHSN information web page <http://www.cdc.gov/niosh/topics/OHSN>.

## 3 ACCESSING OHSN

The OHSN system can be directly accessed at: <http://wwwn.cdc.gov/NIOSH-OHSN/>

It can also be accessed through the OHSN information web page: <http://www.cdc.gov/niosh/topics/OHSN>.

As you can see from the screen shot below, when you visit the OHSN Home Page, the screen welcomes you, provides system menu options, and displays messages to the user as appropriate, such as recent updates, planned down times, etc.



The screenshot shows the OHSN website interface. At the top left is the CDC logo with the text "Centers for Disease Control and Prevention" and "CDC 24/7: Saving Lives, Protecting People™". To the right is a search bar labeled "SEARCH" with a magnifying glass icon. Below the search bar is a "CDC A-Z INDEX" dropdown menu. The main header is a dark brown bar with the text "Occupational Health Safety Network (OHSN)". On the left is a navigation menu with items: "OHSN Home Page", "Log On", "Enrollment", and "Help" with a plus sign. In the center is the OHSN logo, a circular graphic with "OHSN" in the center, surrounded by colored squares (red, green, blue, purple). Below the logo is the text "CDC > NIOSH". To the right of the logo is the NIOSH logo and the text "Providing National and World Leadership to Prevent Workplace Illnesses and Injuries". Below the navigation and logo area is a paragraph of text: "OHSN is a new voluntary and secure electronic occupational safety and health surveillance system being developed by the National Institute for Occupational Safety and Health (NIOSH). It serves as a foundation for monitoring and protecting healthcare workers. Although the first version of the OHSN will be limited to the healthcare sector, modules that address occupational health and safety in other industry sectors may be added in the future." Below this text is a "News / Updates" section with a light beige background. It contains two paragraphs: "The National Institute for Occupational Safety and Health (NIOSH) invites you to a special town hall meeting scheduled for Thursday, September 8th during the Association of Occupational Health Professionals (AOHP) 2016 National conference in South Carolina." and "OHSN will be adding two new modules in 2016 to track sharps injuries and other types of blood and body fluid exposures."

### 3.1 User Access Levels

OHSN provides two user access levels: (1) Administrators (facility or system), and (2) Report Users. Your access level determines which OHSN features are available to you.

Facility Administrators have access rights to all data and user information within their healthcare *facility*.

System Administrators have access rights to all the data and user information of all facilities within their system.

#### If you are a single Facility:

1. Facility Administrators
  - Upload and update facility information (denominators and injury/illness data)
  - Add Administrators (up to five) and Report Users (unlimited) for the facility

- Modify roles or delete users within the facility
- Create and view reports for the facility

2. Facility Report Users

- Can create and view reports for the facility
- Cannot upload or edit information about the facility
- Cannot add, modify or delete users

**If you are part of a Healthcare System:**

1. System Administrators:

- Update information (denominators and injury/illness data) for facilities within the system
- Add Administrators (up to five) and Report Users (unlimited) within the system
- Allow Report Users to see reports for one or more facilities within the system
- Create and view reports for the system

2. System Report Users

- Create and view reports for one or more facilities within the system (based on permissions given by System Administrators)
- Cannot upload or edit information
- Cannot add, modify or delete users



## 3.2 Log On

From the **OHSN Home Page**, click the **Log On** menu item.

Enter your log on name (email address) and password, and then click the **Log On** button.

Occupational Health Safety Network (OHSN)

OHSN Home Page  
**Log On**  
Enrollment  
Help +

 Providing National and World Leadership to Prevent Workplace Illnesses and Injuries 

CDC > NIOSH > OHSN Home Page

### Log on to OHSN

Email address

Password

**Log On**

[Forgot Password?](#)

**WARNING**

This is a U.S. Government computer system, which may be accessed and used only by authorized users of the Occupational Health Safety Network (OHSN). Authorized OHSN Users and authorized information uses are defined in the OHSN Rules of Behavior (<http://www.cdc.gov/niosh/topics/ohsn/pdfs/OHSNRulesofBehavior.pdf> ). Unauthorized access or use may subject violators to criminal, civil, and/or administrative action. All information on this computer system may be monitored, recorded, and is subject to audit by authorized government personnel for official purposes including criminal investigations. Access or use of this system, whether authorized or unauthorized, constitutes consent to these terms. (Title 18, U.S.C.)

### 3.3 First Time Log On Requirements

The first time you log on to OHSN you will be required to do the following:

1. Read and acknowledge the OHSN Rules of Behavior
2. Change your password (See Section 6.2 for instructions)
3. Select the OHSN modules you plan to participate in and confirm your facility denominators (See Section 6.3.4 for instructions)

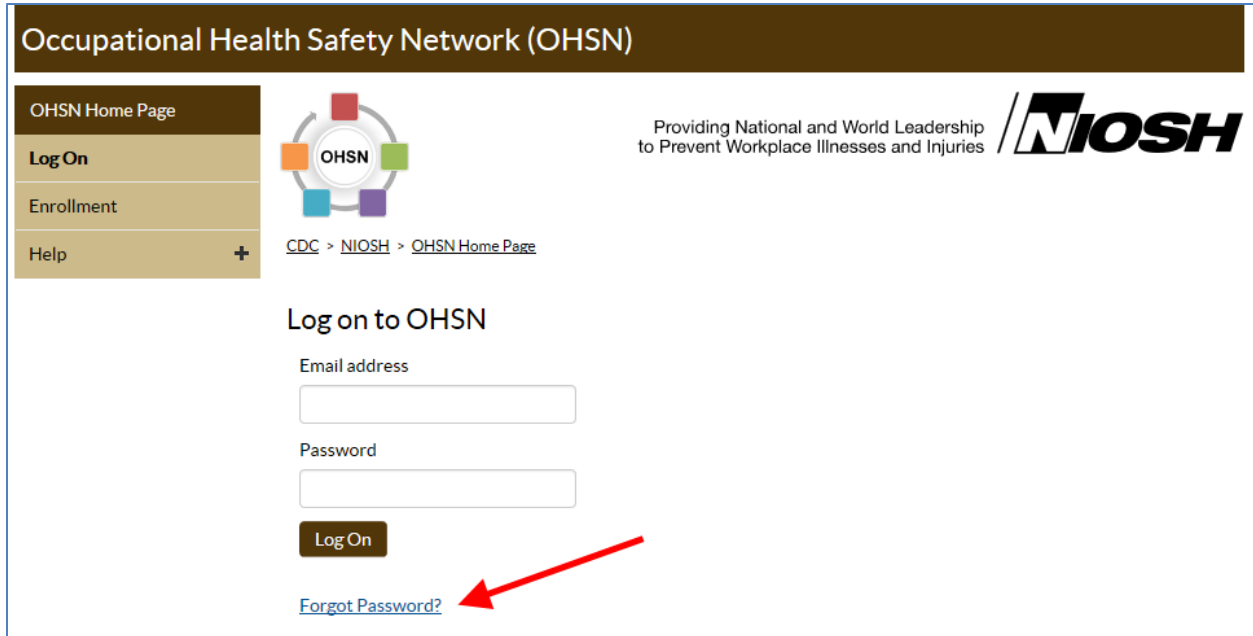
You must read and acknowledge agreement to comply to the OHSN Rules of Behavior in order to continue with the log on.

Click the **Continue** button at the bottom of the screen to continue the log on process.

The screenshot displays the OHSN web interface. At the top, a dark brown header contains the text "Occupational Health Safety Network (OHSN)". Below this, on the left, is a vertical navigation menu with items: "OHSN Home Page", "Log On", "Enrollment", and "Help" (with a plus sign). To the right of the menu is the OHSN logo, which consists of four colored squares (red, green, blue, purple) arranged in a circle around the text "OHSN". Further right is the NIOSH logo and the text "Providing National and World Leadership to Prevent Workplace Illnesses and Injuries". Below the navigation and logos, the page title is "OHSN Rules of Behavior". A paragraph of text reads: "Please review the following Rules of Behavior for accessing OHSN. You must agree to these rules before you can access OHSN." Below this text is a scrollable text box containing the following content: "February 2013", "Introduction", and a paragraph: "OHSN is a voluntary and secure electronic occupational safety and health surveillance system maintained by the National Institute for Occupational Safety and Health (NIOSH), part of the Centers for Disease Control and Prevention (CDC). OHSN processes and stores a variety of sensitive data. This information requires protection from unauthorized access, disclosure, or modification based on confidentiality, integrity, and availability requirements. These 'Rules of Behavior' apply to all users of the OHSN web-based computer system, including Healthcare System & Facility Administrators, Report Users, and NIOSH OHSN team members and their authorized contractors and agents (e.g., guest researchers, students)." At the bottom of the page, there is a checkbox with the text "I acknowledge receipt of, understand my responsibilities, and will comply with the rules of behavior for OHSN." and a brown "Continue" button. Two red arrows point to the checkbox and the "Continue" button.

### 3.4 Forgot Password

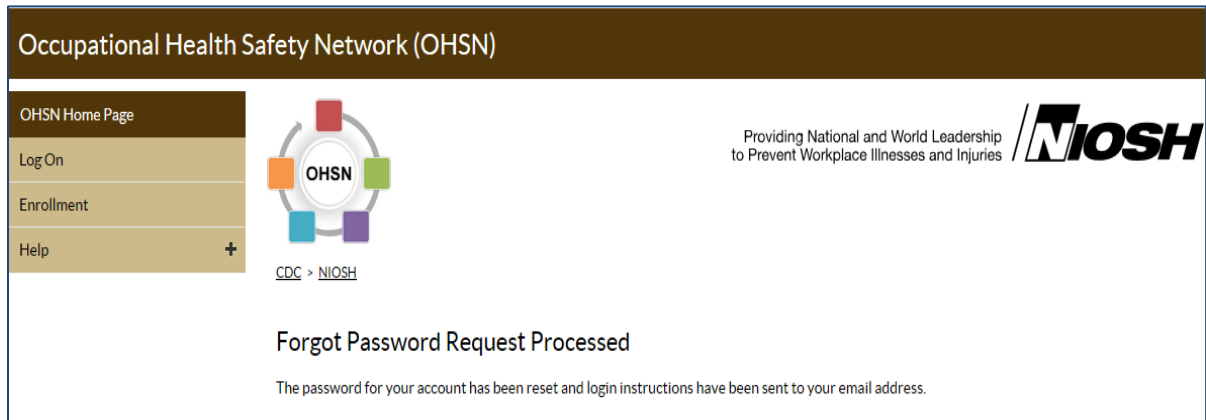
If you forget your password, click the **Forgot Password** link on the Log On screen to request a new password from NIOSH.



On the Request New Password screen, enter the email used for your OHSN account. Then click the **Request Password** button.



Confirmation that the request was received and processed will be displayed on the screen as shown below.



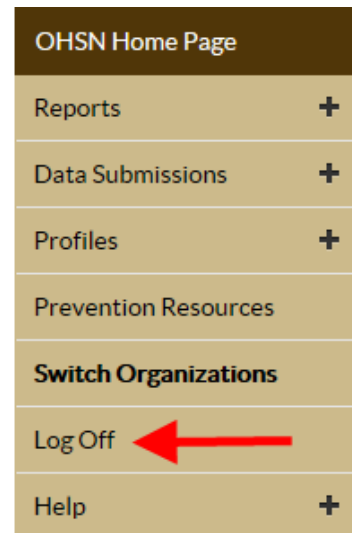
Once the **Request Password** button is clicked from the Request New Password screen, the system will generate a new temporary password and send it to the email address provided.

When you log on with the new temporary password you will be required to change it again. Note: The new password you create cannot be one that you have used within the past 20 times.

### 3.5 Logging Off

To log off OHSN, click the **Log Off** button from the menu item.

NOTE: The system will automatically log off a user after 20 minutes of inactivity.




## 4 OHSN DASHBOARD

After successfully logging on to OHSN, a dashboard screen (see below) will appear providing a quick overview of the data submitted by the facility to date. The dashboard will display alerts that the user should be aware of concerning data submissions, such as past due submissions. **It is important that your facility or system submit at least six months of data per calendar year for your OHSN account to remain active.**

**Occupational Health Safety Network (OHSN)**

- OHSN Home Page
- Reports +
- Data Submissions +
- Profiles +
- Prevention Resources
- Switch Organizations
- Log Off
- Help +




Providing National and World Leadership  
to Prevent Workplace Illnesses and Injuries

[CDC](#) > [NIOSH](#) > [Anytown Hospital A \(6000010\)](#)

### My OHSN Dashboard

#### Anytown Hospital A (6000010)



#### Alerts

The latest demographics data used to calculate rates for your facility [needs review](#). While OHSN uses data from the AHA Survey by default, we cannot guarantee its accuracy.

Your facility data for February 1 - April 30, 2016 is overdue. Please [submit your data today](#).

#### Most Recent Submission

Reporting Period	January 1 - 31, 2016
# of Events	6

#### Organization Snapshot

Data Available	January 1, 2014 - January 31, 2016
Total # of Events	1036

#### News / Updates

TBD

#### OHSN Support

##### Hours of Operation

Monday - Friday \*

9:00 AM - 4:00 PM EST

\* excluding Federal Holidays

If you have access to more than one healthcare facility, for example if you are a System Administrator, the **OHSN Dashboard** screen will not appear until you have selected which organization you want to focus on.

The **Select Organization** screen will appear as shown below. Click on the down arrow of the Organization drop-down list to view the system and facilities to which you have access.



Once you select the organization (system or facility), the **My OHSN Dashboard** screen associated with the selected organization will appear.





## 5 OHSN MENU

The **OHSN Menu** appears on the left side of each screen. Menu items will be slightly different depending on user access rights. Many of the menu items contain additional submenu items. All menu and submenu items are described below.

**OHSN Menu:**

OHSN Home Page	
Reports	+
Data Submissions	+
Profiles	+
Prevention Resources	
Switch Organizations	
Log Off	
Help	+

### OHSN Menu and Submenu Items

Main Menu Item	Sub-Menu item	Description	Who Can Access
<b>Report</b>	My System	Create or view reports that summarize your healthcare system’s data	<ul style="list-style-type: none"> <li>• System Admin</li> <li>• System Report User</li> </ul>
<b>Report</b>	My Facility	Create or view reports that summarize your healthcare facility’s data	<ul style="list-style-type: none"> <li>• System Admin</li> <li>• System Report User</li> <li>• Facility Admin</li> <li>• Facility Report User</li> </ul>
<b>Report</b>	OHSN Averages & Percentiles	Create or view reports that summarize all of the data from OHSN-participating facilities (No facility/system names are displayed)	<ul style="list-style-type: none"> <li>• System Admin</li> <li>• System Report User</li> <li>• Facility Admin</li> <li>• Facility Report User</li> </ul>
<b>Data Submissions</b>	Upload New Data	Enter new data for your facility or system to OHSN	<ul style="list-style-type: none"> <li>• System Admin</li> <li>• Facility Admin</li> </ul>

Main Menu Item	Sub-Menu item	Description	Who Can Access
<b>Data Submissions</b>	Submission History	Provides a detailed listing of all data submissions to OHSN	System Admin Facility Admin
<b>Data Submissions</b>	Tools	Provides the following tools to aid users in preparing their data for submission to OHSN: <ul style="list-style-type: none"> <li>- OHSN Conversion Tool</li> <li>- Excel Spreadsheet for Required Data</li> <li>- Excel Spreadsheet for Required and Optional Data</li> </ul>	System Admin Facility Admin
<b>Profiles</b>	My Profile	View or modify your email address and password	All Users
<b>Profiles</b>	Facility Profile	View or modify the denominator data and settings for your facility (see section 6.3.4 for more)	System Admin Facility Admin
<b>Profiles</b>	System Profile	View or modify the denominator data and settings for facilities in your system	System Admin
<b>Prevention Resources</b>	n/a	Link to NIOSH, CDC and other organizations' publications on approaches to dealing with slips, trips and falls; patient handling; workplace violence; sharps injuries; and blood/body fluid exposures	All Users
<b>Switch Organizations</b>	n/a	Allows users associated with a System to view and manage facilities within their system	System Admin or Facility Users who have access to multiple facilities
<b>Help</b>	OHSN User Manual	View or print OHSN User Manual	All Users
<b>Help</b>	FAQ	Read answers to frequently asked questions about OHSN	All Users
<b>Help</b>	Contact Us / Feedback	Provides mechanism for users to send NIOSH questions or feedback about the OHSN system	All Users
<b>Help</b>	OHSN Information Web page	Opens the OHSN information web page on the CDC/NIOSH Internet site	All Users
<b>Help</b>	About OHSN	Provides OHSN system version information and disclaimer	All Users

## 6 PROFILES

### 6.1 User Profiles

Each OHSN user has an individual user profile. The **User Profile** screen allows you to:

- Verify the email address you used to log on to and communicate with OHSN
- View the current user roles you are assigned for a given facility/system
- Change your account password

To access and manage information in your OHSN profile click the **Profiles** menu item from the OHSN Main menu then select **My Profile** as shown below.

Occupational Health Safety Network (OHSN)

OHSN Home Page  
Reports +  
Data Submissions +  
Profiles -  
**My Profile** ←  
Facility Profile  
Prevention Resources  
Switch Organizations  
Log Off  
Help +

Providing National and World Leadership to Prevent Workplace Illnesses and Injuries **NIOSH**

CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Profiles

### User Profile

Email address

Access Level

Old Password

New Password  [Password Requirements](#)

Confirm Password

If your role(s) is/are incorrect, you must contact your OHSN Facility or System Administrator to request a change in the system.

If your email address needs to be changed, contact OHSN User Support at: [NIOSHOHSN@cdc.gov](mailto:NIOSHOHSN@cdc.gov). *Since the user's email address is used as the OHSN account ID, only a NIOSH OHSN System Administrator can make this change.*

## 6.2 Change Password

You can change your password by going to the **My Profile** screen. Enter your existing password in the **Old Password** field, a new password in the **New Password** field, and the same new password value in the **Confirm Password** field. Then click the **Change Password** button.

Note: The new password you create cannot be one that you have used within the past 20 times. Click on **Password Requirements** to learn more.

Passwords must be 8-30 characters and include at least 3 of the following 4 characters:

- Uppercase
- Lowercase
- Numeric
- Punctuation (There are no limitations on punctuation.)

The screenshot shows the Occupational Health Safety Network (OHSN) user interface. At the top, there is a navigation menu with options: OHSN Home Page, Reports, Data Submissions, Profiles, My Profile, Facility Profile, Prevention Resources, Switch Organizations, Log Off, and Help. The 'My Profile' section is active, displaying the 'User Profile' form. The form includes fields for Email address (Amy@Anytownhospital.com), Access Level (Report User), Old Password, New Password, and Confirm Password. A red arrow points to the 'Change Password' button at the bottom of the form. The NIOSH logo and tagline are visible in the top right corner.

If the password was changed successfully, a message will be displayed stating that the password was changed.

## 6.3 Profile Information for Single Healthcare Facilities

Facility Administrators have access to the **Facility Profile**. If the facility is also part of a Healthcare System, the System Administrator would also have access to the facility's profile information. The **Facility Profile** screen allows you to:

- Verify that the facility organizational information is correct
- Make requests to add, edit, or remove user accounts for the facility
- Verify and/or update the facility denominator data

This screen has three sections:

1. Facility Profile – (Read only) Provides detailed information about the facility and the last submission of data to OHSN.

**Facility Profile**  
Anytown Hospital A (6000010)

Facility ID	6000010
Facility Name	Anytown Hospital A (6000010)
Healthcare System	Anytown Healthcare System
Location	Cincinnati, OH
Region	Midwest Region
Service Type	General medical and surgical
Control Type	Nongovernment, not-for-profit
Join Date	1/15/2013
Last Submission Date	3/23/2016

\* If any of the above information is incorrect, [contact us](#) to request changes.

2. Facility Users – Provides information about current user access to facility data and the ability to add, delete or edit user accounts.
3. Current Denominator Data – Displays current facility denominator data (i.e., number of licensed beds, number of admissions, number of employees by occupation, etc.) used to calculate incidence rates for injuries.

### 6.3.1 Adding New Users

The Facility Users section lists the users who have access to the facility data and what level of access each has.

Facility Administrators can make a request to NIOSH to add a person as a new user for their facility in OHSN. In the **Facility Users** section of the **Facility Profile** screen, click the **Add User** button to allow a new user to have access to the facility data.

#### Facility Users

Email address	Access Level		
Amy@Anytownhospital.com	Report User	<a href="#">Edit</a>	<a href="#">Remove</a>
johnsmith@anytownhospital.com	Administrator	<a href="#">Edit</a>	<a href="#">Remove</a>

[Add User](#)

After clicking the **Add User** button, the **Request a New Facility User** screen will appear as shown below.

**Occupational Health Safety Network (OHSN)**

- OHSN Home Page
- Reports +
- Data Submissions +
- Profiles +
- Prevention Resources
- Switch Organizations
- Log Off
- Help +

Providing National and World Leadership  
to Prevent Workplace Illnesses and Injuries

CDC > NIOSH > Anytown Hospital A (6000010)

### Request a New Facility User

#### Anytown Hospital A (6000010)

New User's Email address

Confirm User's Email address

Access Level

**Administrator** - Full access to Facility Data

**Report User** - Limited to read access to reports.

[Send Request](#) [Cancel](#)

1. Enter a valid email address in the **New User's Email address** field and the **Confirm User's Email address** field.
2. Select whether the new user should have an **Administrator** or **Report User** access level. (See Section 3.1 for information on user access levels.)
3. Click the **Send Request** button.

After clicking **Send Request**, the screen shown below will appear as confirmation. An email will be sent to the new user with a cc to the Facility Administrator when the new user account has been set up.

The screenshot shows the Occupational Health Safety Network (OHSN) interface. On the left is a navigation menu with items like Reports, Data Submissions, Profiles, My Profile, Facility Profile, **New Facility User**, Prevention Resources, Switch Organizations, Log Off, and Help. The main content area features the OHSN logo, the NIOSH logo with the tagline 'Providing National and World Leadership to Prevent Workplace Illnesses and Injuries', and a breadcrumb trail: 'CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Profiles > Facility Profile'. The central message reads: 'Request for New Facility User Sent. Your request to add a new user to your facility has been sent to NIOSH. You will receive notification once your request has been processed.'

### 6.3.2 Editing a User's Access Level

Facility Administrators can make a request to NIOSH to change a user's access level for their facility in OHSN. (See Section 3.1 for information on user access levels.) In the **Facility Users** section of the **Facility Profile** screen, click the **Edit** button for the user you wish to update.

The screenshot shows the 'Facility Users' section of the OHSN interface. It contains a table with two columns: 'Email address' and 'Access Level'. There are two rows of users. The first row has the email 'Amy@Anytownhospital.com' and access level 'Report User'. The second row has the email 'johnsmith@anytownhospital.com' and access level 'Administrator'. Each row has two buttons: 'Edit' and 'Remove'. A red arrow points to the 'Edit' button for the 'Report User'.

Email address	Access Level	
Amy@Anytownhospital.com	Report User	Edit Remove
johnsmith@anytownhospital.com	Administrator	Edit Remove

**Add User**

After clicking the **Edit** button, the **Edit User Request** screen will appear as shown below.

Occupational Health Safety Network (OHSN)

OHSN Home Page

Reports +

Data Submissions +

Profiles -

My Profile

Facility Profile -

**Edit Facility User**

Prevention Resources

Switch Organizations

Log Off

Help +

Providing National and World Leadership to Prevent Workplace Illnesses and Injuries / **NIOSH**

CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Profiles > Facility Profile

### Edit User Request

#### Anytown Hospital A (6000010)

User's Email address

Amy@Anytownhospital.com

Access Level

**Administrator** - Full access to OHSN.

**Report User** - Limited to read access to reports.

Send Request Cancel

Change the user's access level by selecting either the **Administrator** or **Report User** buttons.

After selecting the appropriate access level for the user, click the **Send Request** button. After clicking **Send Request**, the following screen will appear as confirmation:

Occupational Health Safety Network (OHSN)

OHSN Home Page

Reports +

Data Submissions +

Profiles -

My Profile

Facility Profile -

**Edit Facility User**

Prevention Resources

Switch Organizations

Log Off

Help +

Providing National and World Leadership to Prevent Workplace Illnesses and Injuries / **NIOSH**

CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Profiles > Facility Profile

### Request to Edit Facility User Sent

Your request to edit the role of a user in your facility has been sent to NIOSH.

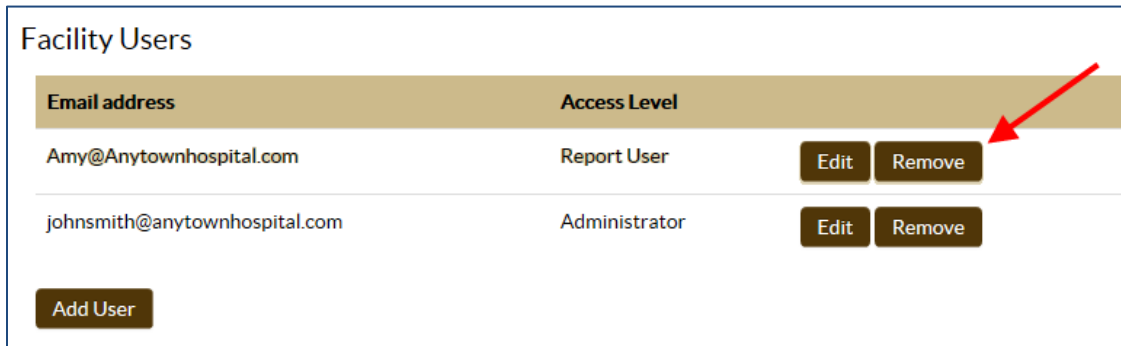
You will receive notification once your request has been processed.

NIOSH will notify the Administrator and the User via email that the request is being processed.

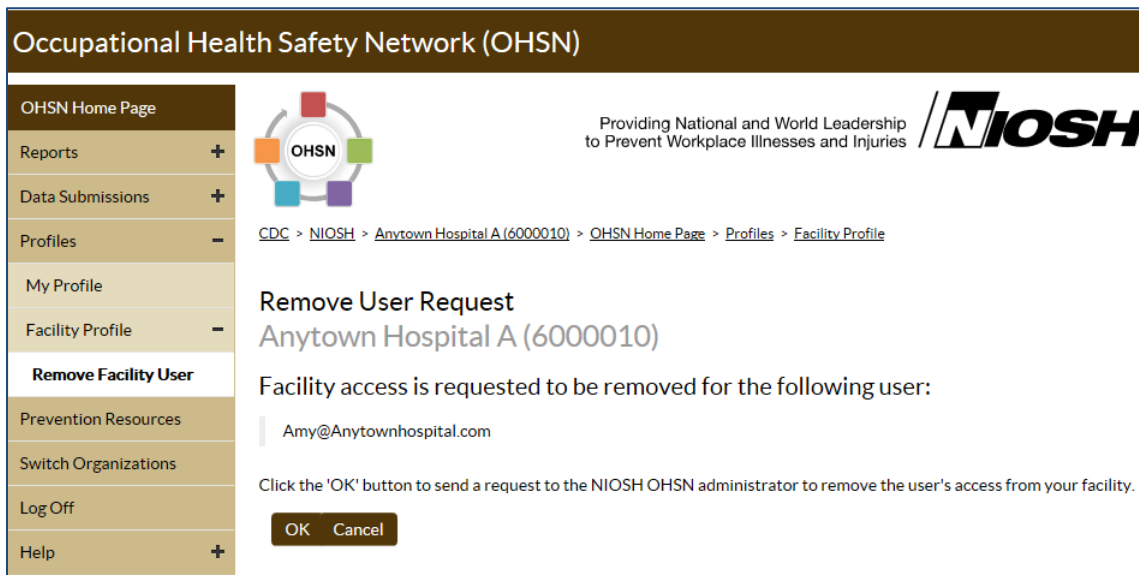


### 6.3.3 Removing a User

Facility Administrators can make a request to NIOSH to remove a person as an OHSN user for their facility. In the **Facility Users** section of the **Facility Profile** screen, click the **Remove** button for the user you wish to remove.



After clicking the **Remove** button, the **Remove User Request** screen will appear as shown below:



Click the **Cancel** button to cancel the request and return to the Facility Profile screen.

Click the **OK** button to send a request to NIOSH to remove the user’s access from your facility. After clicking **OK**, a confirmation message will be displayed as shown below.

## Occupational Health Safety Network (OHSN)

OHSN Home Page

Reports +

Data Submissions +

Profiles -

My Profile

Facility Profile -


**Remove Facility User**

Prevention Resources


Switch Organizations

Log Off

Help +



Providing National and World Leadership  
to Prevent Workplace Illnesses and Injuries



CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Profiles > Facility Profile

### Request to Remove Facility User Sent

Your request to remove a user from your facility has been sent to NIOSH.

You will receive notification once your request has been processed.

NIOSH will notify the Administrator and the User via email that the request is being processed.

### 6.3.4 Facility Denominator Data

Facility Administrators can review and update their current denominator data in the **Current Denominator Data** section of the **Facility Profile** screen. Each facility is required to do this when it first Log On to OHSN and at the start of every calendar year after that. The information should be updated when significant changes occur during the course of a year, such as adding a new hospital wing.

The denominator data is used to calculate incidence rates for injuries.

#### Current Denominator Data

Beginning  /

Total number of licensed beds

Total number of admissions per month

Total number of outpatient encounters per month

Do you record occupational health events that occur among contract staff?

FTE by Occupational Category

Occupational Category	Employee FTEs
a. Physicians & dentists	17
b. Medical & dental residents/interns	1
c. Other trainees	1
d. Registered nurses	291
e. Licensed practical (vocational) nurses	27
f. Nursing assistive personnel	35
g. Radiology technicians	41
h. Laboratory technicians	17
i. Pharmacists, licensed	9
j. Pharmacy technicians	10
k. Respiratory therapists	14
l. All other personnel	355
Total	818

Events reported

- Slips, Trips, and Falls (STF)
- Patient Handling and Movement (PHM)
- Workplace Violence (WPV)
- Exposure to Blood or Body Fluids
- Needlestick/Sharps Injury

Edit Denominator Data

To update your facility’s denominator data, click the **Edit Denominator Data** button at the bottom of the **Facility Profile** screen. The **Facility Denominator Data** screen will appear allowing you to edit the information.

## Facility Denominator Data

### Anytown Hospital A (6000010)

Beginning 1/2013 ▼

Total number of licensed beds 161

Total number of admissions per month 749

Total number of outpatient encounters per month 6695

Do you record occupational health events that occur among contract staff?  Yes  No

Field	Description
<b>Beginning:</b>	You must select a date. When you change the selection to one of the existing month/year selections, the current denominator data for that reporting period will be displayed so you can edit the values.  If you select <b>Add New</b> from the drop-down menu, the screen will prompt you to specify the month and year.
<b>Total number of licensed beds:</b>	Enter a whole number larger than 0.
<b>Total number of admissions per month:</b>	Enter a whole number larger than 0.
<b>Total number of outpatient encounters per month:</b>	Enter a whole number larger than 0.
<b>Do you record occupational health events that occur among contractor staff?</b>	Select <b>Yes</b> or <b>No</b> . If you select <b>Yes</b> , the <b>Contractor FTEs</b> column will appear in the <b>FTE by Occupation Category</b> table.

FTE by Occupational Category

Occupational Category	Employee FTEs	Contractor FTEs
a. Physicians & dentists	<input type="text" value="17"/>	<input type="text" value="0"/>
b. Medical & dental residents/interns	<input type="text" value="1"/>	<input type="text" value="0"/>
c. Other trainees	<input type="text" value="1"/>	<input type="text" value="0"/>
d. Registered nurses	<input type="text" value="291"/>	<input type="text" value="0"/>
e. Licensed practical (vocational) nurses	<input type="text" value="27"/>	<input type="text" value="0"/>
f. Nursing assistive personnel	<input type="text" value="35"/>	<input type="text" value="0"/>
g. Radiology technicians	<input type="text" value="41"/>	<input type="text" value="0"/>
h. Laboratory technicians	<input type="text" value="17"/>	<input type="text" value="0"/>
i. Pharmacists, licensed	<input type="text" value="9"/>	<input type="text" value="0"/>
j. Pharmacy technicians	<input type="text" value="10"/>	<input type="text" value="0"/>
k. Respiratory therapists	<input type="text" value="14"/>	<input type="text" value="0"/>
l. All other personnel	<input type="text" value="355"/>	<input type="text" value="0"/>

Field	Description
Full-Time Employees (FTE) by Occupation Category	<p><b>Employee FTEs</b> You can change the values for each occupation category. Enter whole numbers larger than 0.</p> <p><b>Contractor FTEs</b> If your facility records occupational health events among contract staff, enter a whole number larger than 0.</p>

Events Reported

**Traumatic Injury Modules**

- Slips, Trips, and Falls (STF)
- Patient Handling and Movement (PHM)
- Workplace Violence (WPV)

**Exposure Modules**

- Exposure to Blood or Body Fluids
- Needlestick/Sharps Injury

**Other Event Types**

- Contact with Objects and Equipment
- MSD (not related to Patient Handling)
- Transportation Injury
- Other Traumatic Injury
- Exposure to Other Biohazard
- Exposure to Other Harmful Substance or Environment
- Fire or Explosion
- Exposure to Blood, Body Fluids, or Needlestick/Sharps Injury
- Other Exposure
- Other Event

Confirmation

By checking this box, I confirm that the above denominator data is accurate for my facility.

Field	Description
<p><b>Event types reported – check boxes</b></p> <p>Choose <i>at least one</i> box. If you receive the error message “No event types were selected,” you did not check at least one of the boxes above.</p>	<ul style="list-style-type: none"> <li>• Patient Handling and Movement</li> <li>• Slips, Trips and/or Falls</li> <li>• Workplace Violence</li> <li>• Exposure to Blood or Body Fluids</li> <li>• Needlestick/Sharps Injury</li> </ul>
<p><b>Confirm denominator check box</b></p>	<p>This box must be checked prior to updating any denominator data.</p>
<p><b>Update Denominator Data button</b></p>	<p>Click this button to apply any changes made to the facility denominator data.</p>

Field	Description
Cancel button	Click this button to cancel any edits made and return to the Facility Profile screen.

After you have updated the denominator data, check the **box** to confirm it is accurate for your facility. Then click **Update Denominator Data**.

Confirmation

By checking this box, I confirm that the above denominator data is accurate for my facility.

Update Denominator Data Cancel

If the denominator data you have entered is not accurate, click **Cancel** and re-enter the data.


## 6.4 Profile Information for Healthcare Systems

Using the OHSN **System Profile** screen, System Administrators can manage the facilities within their system and the users who can view or manage system-level information.


To access this screen, click on the **Profiles** menu item from the OHSN main menu then click the **System Profile** menu option. An example Healthcare System Profile screen is shown below.

Occupational Health Safety Network (OHSN)

- OHSN Home Page
- Reports +
- Data Submissions +
- Profiles -
- My Profile
- Facility Profile
- System Profile** ←
- Prevention Resources
- Switch Organizations
- Log Off
- Help +



Providing National and World Leadership  
to Prevent Workplace Illnesses and Injuries



CDC > NIOSH > Anytown Healthcare System (System T0002) > OHSN Home Page > Profiles

### Healthcare System Profile

#### Anytown Healthcare System (System T0002)

Healthcare System Name

Anytown Healthcare System

Healthcare System ID

T0002

#### Facilities

Facility ID	Facility Name	Location	Join Date	
6000099	AAA Medical Center	Anytown, OH	4/6/2016	<a href="#">View</a> <a href="#">Remove</a>
6000010	Anytown Hospital A	Cincinnati, OH	1/15/2013	<a href="#">View</a> <a href="#">Remove</a>
6000020	Anytown Hospital B	Columbus, OH	1/15/2013	<a href="#">View</a> <a href="#">Remove</a>

[Add Facility](#)

#### System Users

Email address	Access Level	
JaneCruthers@Anytownhospital.com	Report User	<a href="#">Edit</a> <a href="#">Remove</a>
TomBrown@Anytownhospital.com	Administrator	<a href="#">Edit</a> <a href="#">Remove</a>

[Add User](#)



## 6.4.1 Managing Facilities within a Healthcare System

System Administrators have access rights to all the data and user information for each facility within their healthcare system.

System Administrators can:

- Add or remove facilities within their system
- Edit facility users and denominator data for facilities within their system
- Add additional System Administrators (up to five)
- Add or remove System Report Users (unlimited)
- Create and view reports for their system

### 6.4.1.1 Adding a Facility to the Healthcare System

To add a facility to a healthcare system, click the **Add Facility** button in the Facilities section of the **Healthcare System Profile** screen as shown below.

The screenshot displays the OHSN interface for a healthcare system profile. On the left is a sidebar with navigation links: OHSN Home Page, Reports (+), Data Submissions (+), Profiles (-), My Profile, Facility Profile, System Profile, Prevention Resources, Switch Organizations, Log Off, and Help (+). The main content area shows the OHSN logo and NIOSH branding. Below the breadcrumb trail (CDC > NIOSH > Anytown Healthcare System (System T0002) > OHSN Home Page > Profiles), the title 'Healthcare System Profile' is followed by 'Anytown Healthcare System (System T0002)'. Two input fields are shown: 'Healthcare System Name' with the value 'Anytown Healthcare System' and 'Healthcare System ID' with the value 'T0002'. A section titled 'Facilities' contains a table with three rows of facility data. Each row includes a 'Facility ID', 'Facility Name', 'Location', 'Join Date', and 'View'/'Remove' buttons. At the bottom of the facilities section, there is an 'Add Facility' button, which is highlighted with a red arrow.

Facility ID	Facility Name	Location	Join Date	View	Remove
6000099	AAA Medical Center	Anytown, OH	4/6/2016	View	Remove
6000010	Anytown Hospital A	Cincinnati, OH	1/15/2013	View	Remove
6000020	Anytown Hospital B	Columbus, OH	1/15/2013	View	Remove

A new screen will appear allowing the System Administrator to send a request to NIOSH to add a new facility to the healthcare system.

Enter the name of the facility to be added and the zip code. If the **AHA ID** and/or **Medicare ID** are known, please provide this information in the boxes provided. Click the **Send Request** button to submit the request.

The screenshot shows the OHSN web interface. On the left is a navigation sidebar with items: OHSN Home Page, Reports (+), Data Submissions (+), Profiles (-), My Profile, Facility Profile, System Profile (-), **Add New Facility**, Prevention Resources, Switch Organizations, Log Off, and Help (+). The main content area has a header 'Occupational Health Safety Network (OHSN)' and the NIOSH logo with the tagline 'Providing National and World Leadership to Prevent Workplace Illnesses and Injuries'. Below the header is a breadcrumb trail: CDC > NIOSH > Anytown Healthcare System (System T0002) > OHSN Home Page > Profiles > System Profile. The main heading is 'Request a New Facility' followed by 'Facility Details'. There are four input fields: 'Name of the facility', 'ZIP Code where located', 'AHA ID (if known)', and 'Medicare ID (if known)'. At the bottom are two buttons: 'Send Request' (highlighted with a red arrow) and 'Cancel'.

After clicking the **Send Request** button, a confirmation message will appear indicating that the request has been sent to NIOSH.

NIOSH will contact the requesting party to obtain additional information for the facility if needed and then add the facility to the healthcare system as soon as possible. If the facility is already enrolled in OHSN, NIOSH will send an invitation to the Facility Administrator to accept association with the requesting healthcare system.

### 6.4.1.2 Removing a Facility from a Healthcare System

To remove a facility from a healthcare system, click the **Remove** button for the facility to be removed in the Facilities section of the **Healthcare System Profile** screen as shown below.

The screenshot shows the OHSN interface. On the left is a navigation menu with options like Reports, Data Submissions, Profiles, My Profile, Facility Profile, System Profile (highlighted), Prevention Resources, Switch Organizations, Log Off, and Help. The main content area displays the 'Healthcare System Profile' for 'Anytown Healthcare System (System T0002)'. It includes input fields for 'Healthcare System Name' (Anytown Healthcare System) and 'Healthcare System ID' (T0002). Below this is a 'Facilities' table with columns for Facility ID, Facility Name, Location, and Join Date. Each row has 'View' and 'Remove' buttons. A red arrow points to the 'Remove' button for the first facility, AAA Medical Center. An 'Add Facility' button is located at the bottom of the table.

Facility ID	Facility Name	Location	Join Date	View	Remove
6000099	AAA Medical Center	Anytown, OH	4/6/2016	View	Remove
6000010	Anytown Hospital A	Cincinnati, OH	1/15/2013	View	Remove
6000020	Anytown Hospital B	Columbus, OH	1/15/2013	View	Remove

A confirmation message will display in the next screen asking the System Administrator to confirm the removal of the facility from the system. Click **OK** to send the removal request to NIOSH. Click **Cancel** to cancel the request.

The screenshot displays the OHSN user interface. On the left is a navigation menu with items like 'OHSN Home Page', 'Reports', 'Data Submissions', 'Profiles', 'My Profile', 'Facility Profile', 'System Profile', 'Remove Facility', 'Prevention Resources', 'Switch Organizations', 'Log Off', and 'Help'. The main content area shows the title 'Remove Facility Request' and a message: 'The following facility will be removed from my healthcare system: AAA Medical Center'. Below this, it instructs the user to click the 'OK' button to send a request to the NIOSH OHSN administrator. A red arrow points to the 'OK' button. The NIOSH logo and tagline are visible in the top right corner.

After clicking **OK**, the screen will indicate that the request to remove the facility from the system was sent to NIOSH.

Once the facility is removed, NIOSH/OHSN will disable all facility user accounts for the given facility. To regain access, the facility must either be added to another healthcare system or re-enrolled in OHSN. All data submitted prior to removal will be maintained.

## 6.4.2 Managing Healthcare System Users

System Administrators can make a request to NIOSH to:

- Add a person as a new user for their healthcare system
- Remove a current user from their healthcare system
- Edit User access rights to their healthcare system

To perform these functions, go to the **System Profile** screen and follow the same instructions for adding, removing or editing a new user as described in the Single Healthcare Facility profiles Sections 6.3.1, 6.3.2, 6.3.3.

## 7 ACCESSING FACILITY DATA WITHIN A HEALTHCARE SYSTEM

System Administrators or users who have access to more than one facility must select the facility to view/manage prior to uploading data, generating reports, or editing profiles.

To change the focus on which facility or healthcare system you wish to view/manage, click the **Switch Organizations** menu item from the OHSN main menu as shown below:



The **Select Organization** screen will appear. Click the down arrow on the organization text box and a drop-down list of all the facilities and healthcare systems for which you have access will be displayed. Click on the facility or healthcare system you wish to view or manage. Then click the **Select** button to switch the focus to that facility or system.



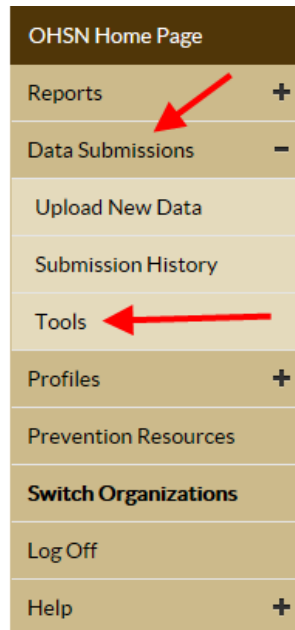
## 8 OHSN FACILITY TOOLS

Files uploaded to OHSN must be in the standard file format designed for the OHSN system. NIOSH offers tools to help users produce the standard data submission file.

If your facility/system is not currently using any software to track occupational injury events, you can use the NIOSH developed Microsoft **Excel Spreadsheet** to track this information. (see Section 8.2).

If you are currently using a software product (either commercially or custom developed) to track occupational injury events and have the ability to export your data from the software to Microsoft Excel, you can use the mapping function in the **OHSN Conversion Tool** to convert your data fields to the OHSN data fields and create the standard OHSN submission file (see Section 8.3).

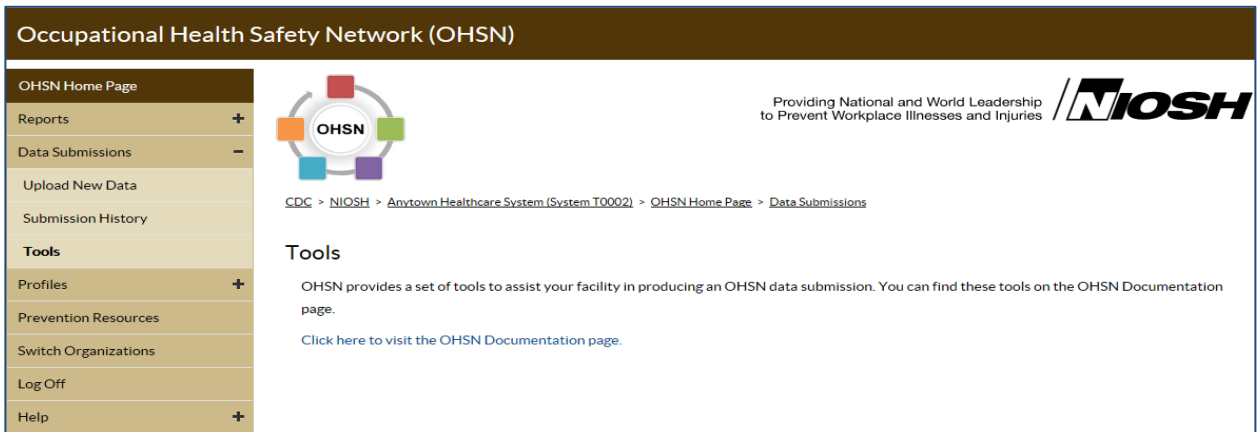
To access these tools, click on the **Data Submissions** item on the OHSN main menu, then click the **Tools** menu item as shown below.



Mapping Data – the "matching" between a source and a target database which contain the same data elements but call them by different names. This matching enables software and systems to meaningfully exchange information. OHSN provides a Mapping Tool to match data in a facility's value list to the OHSN value list.

If you are interested in modifying your custom developed software to be directly compatible with OHSN, visit the **OHSN Software Compatibility Kit** section of the OHSN website at: <http://www.cdc.gov/niosh/topics/ohsn/documentation.html>. The NIOSH OHSN team can help guide you through this process.

The **Tools** screen will appear, which provides a link to the OHSN information web page, where the tools reside. You will need to download the OHSN Facility Tool Package to create files that can be uploaded to the OHSN System.



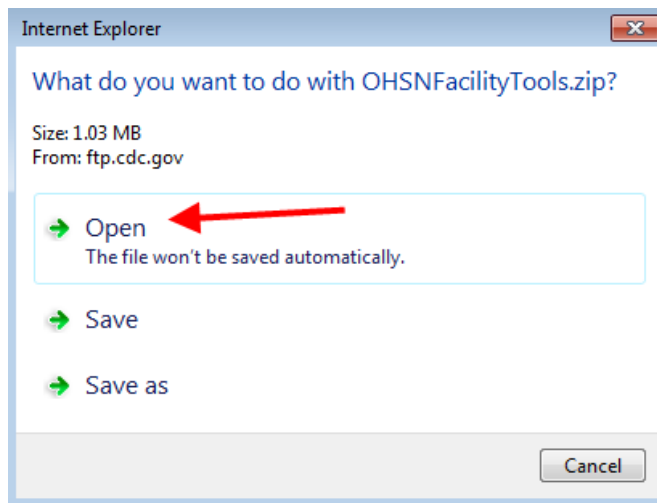
## 8.1 Downloading the OHSN Facility Tool Package

To download the OHSN facility tool package, click on the link on the **Tools** screen shown above.

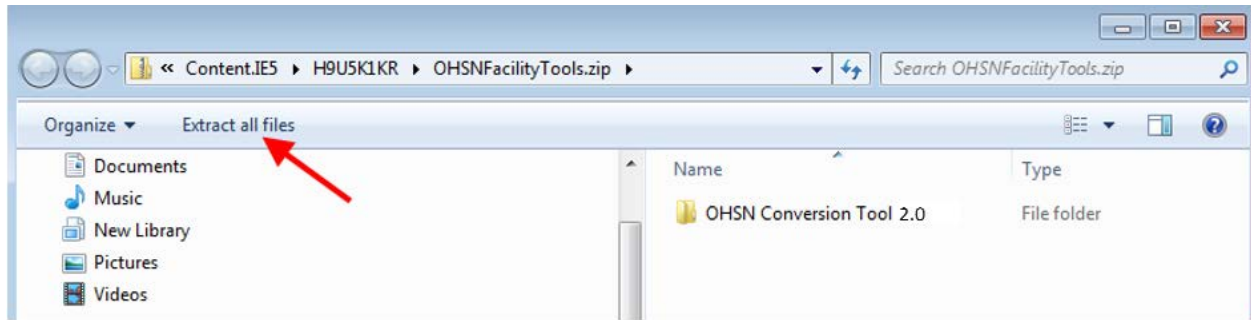
The OHSN Documentation page will display (<http://www.cdc.gov/niosh/topics/ohsn/documentation.html>). Scroll down to the **Facility Tools** section and click on **OHSN Data Conversion and Mapping Tool**.

Click the **OHSN Data Conversion and Mapping Tool** link.

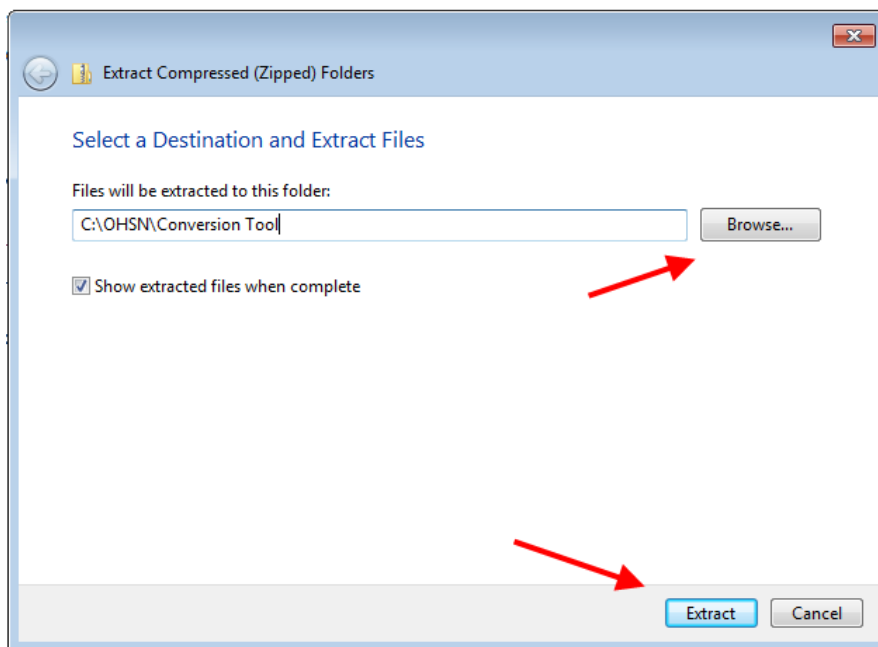
When the dialog box appears, click the **Open**.



Click the **Extract all files** link.



Select a location on your computer to save the Conversion Tool files using the **Browse** button, then click the **Extract** button.



If downloaded and extracted successfully, you should have the following list of the files in the OHSN Conversion Tools folder.

Name	Type	Compressed size	Password ...	Size	Ratio	Date modified
OHSN-2.0-ImportTemplate-AllFields	Microsoft Excel Macro-En...	43 KB	No	48 KB	11%	1/12/2016 12:08 PM
OHSN-2.0-ImportTemplate-Reqir...	Microsoft Excel Macro-En...	49 KB	No	53 KB	9%	1/12/2016 12:06 PM
ReadMe	Microsoft Word 97 - 2003 ...	9 KB	No	31 KB	74%	4/15/2015 4:03 PM
setup	Application	193 KB	No	418 KB	54%	1/14/2016 7:31 AM
zpackage	Windows Installer Package	932 KB	No	1,269 KB	27%	1/14/2016 9:33 AM

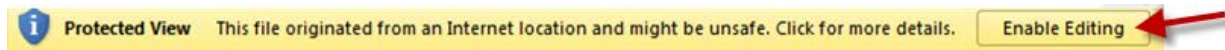


## 8.2 Using the NIOSH Provided Excel Spreadsheet

For facilities/systems not currently using any software to track occupational injury and exposure events, NIOSH developed a standard Microsoft Excel spreadsheet with the OHSN data elements and standard value sets for each element. Facilities may choose to download the Excel file and directly enter their event data using drop-down menus with the OHSN data elements.

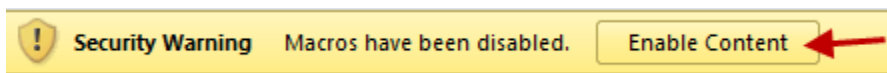
The NIOSH provided Excel spreadsheet can be found in the OHSN Facility Tools zip file. (See Section 8.1).

If the spreadsheet opens in 'Protected View' mode you will see a yellow bar at the top. Click the **Enable Editing** button in order to edit and save the file.

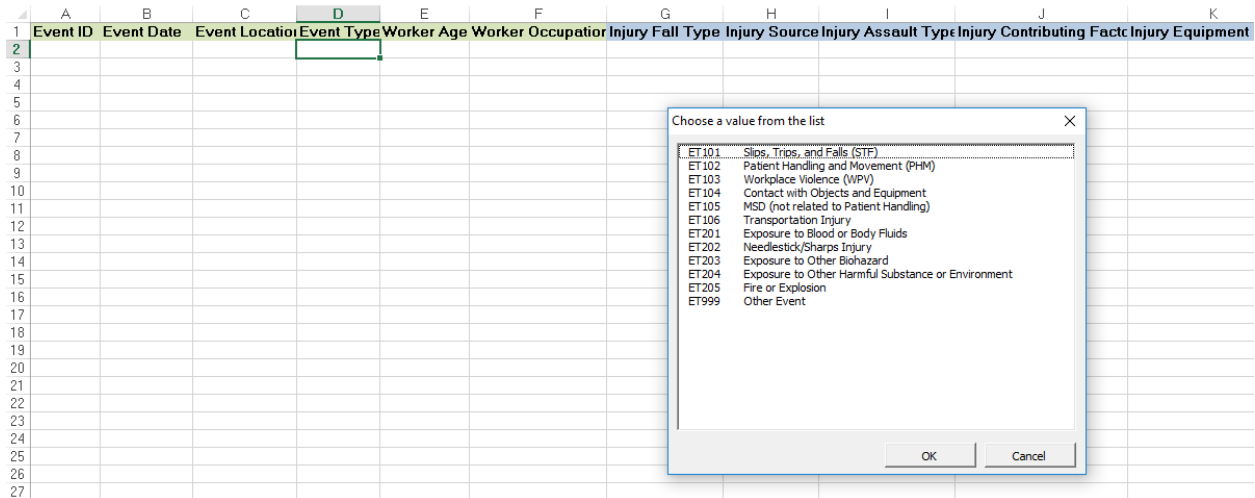


Save the spreadsheet to a location on your computer or network. We recommend saving the file with a name that includes the month of the data you are entering– for example, "OHSN\_April\_2016." You may choose to create a new OHSN folder to hold these files.

If you see the following warning about macros being disabled, you will need to click the **Enable Content** in order for the OHSN supplied drop down lists to work (as described below).



Within the Excel file, most cells provide a list of standard values acceptable for that data element. Double clicking within the cell will open a help box containing descriptions of each of the standard values for the data element (see example below).



### Data Element Notes:

- **Event ID** (Column A): This is an ID that you select. It can be based on an ID in your existing tracking system or a random number. DO NOT include personal identifiers such as date of birth or social security number. Make the ID unique.
- **Event Date** (Column B): The date the event occurred, entered as MM-DD-YYYY.
- **Event Type** (Column D): Double click in the box for a list of event types. After you choose a value from the list, any data elements that do not apply to that event type will be shaded gray.
- **Worker Age** (Column E): The age of the worker who was injured as a 2-digit number.
- All other Event/Injury/Exposure Fields: Double click in the box for a list of options. Choose a value from the list and then click OK. There are options for Other or Unknown.

### **Using the Excel file for more than one facility:**

To enter event data for more than one facility, you must put an additional column to the spreadsheet: **Facility ID**. You must also **group the data by Facility ID**. Your Facility ID is the ID number you received from NIOSH with the instructions to log on to the system the first time. This is usually your American Hospital Association (AHA) number.

To add a column for “Facility ID”, you must first open the “How to Add Other Data Elements” tab in the NIOSH provided Excel spreadsheet. You can copy the Facility ID column to the Data Entry sheet by following these steps:

- 1 - Click on the column heading, “Facility ID”.
- 2 - Press Ctrl-C on your keyboard.

- 3 - Click on the Data Entry tab.
- 4 - Click on the column heading where you want the new data element to be positioned.
- 5 - Click the right button on your mouse and select 'Insert Copied Cells' from the menu.

Event Type	Worker Age	Worker Occupation	Facility ID	Injury Fall Type	Injury Source

### 8.3 OHSN Conversion Tool 2.0

The OHSN Conversion Tool 2.0 is a Windows desktop application that can convert and validate Excel spreadsheet data into the standard OHSN (XML) format needed for uploading to OHSN. This tool includes functions for mapping facility-specific codes to OHSN values. (See Section 9.2)

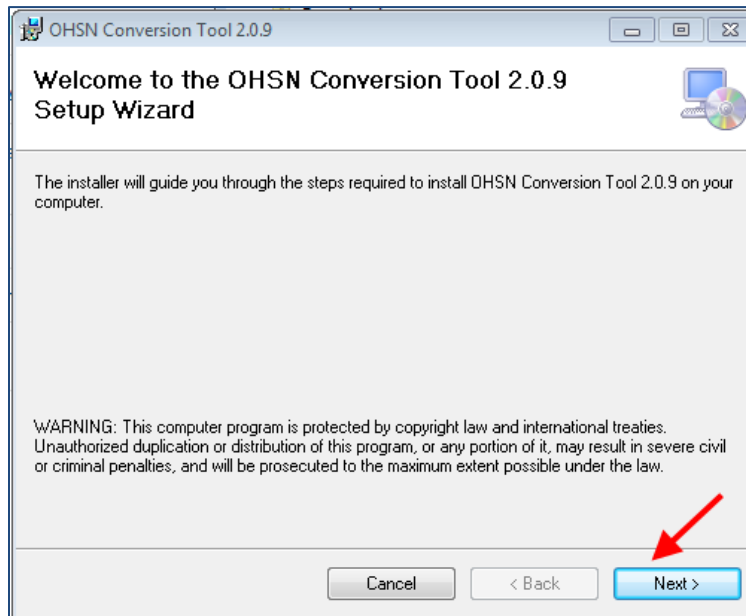
The OHSN tool requires your computer to have the .NET Framework 2.0, which is found on most systems. If you do not have that Framework, you may need administrative privileges to install it. If you have questions please contact your IT department for assistance, or contact us at [nioshohsn@cdc.gov](mailto:nioshohsn@cdc.gov)

#### 8.3.1 Installing the OHSN Conversion Tool

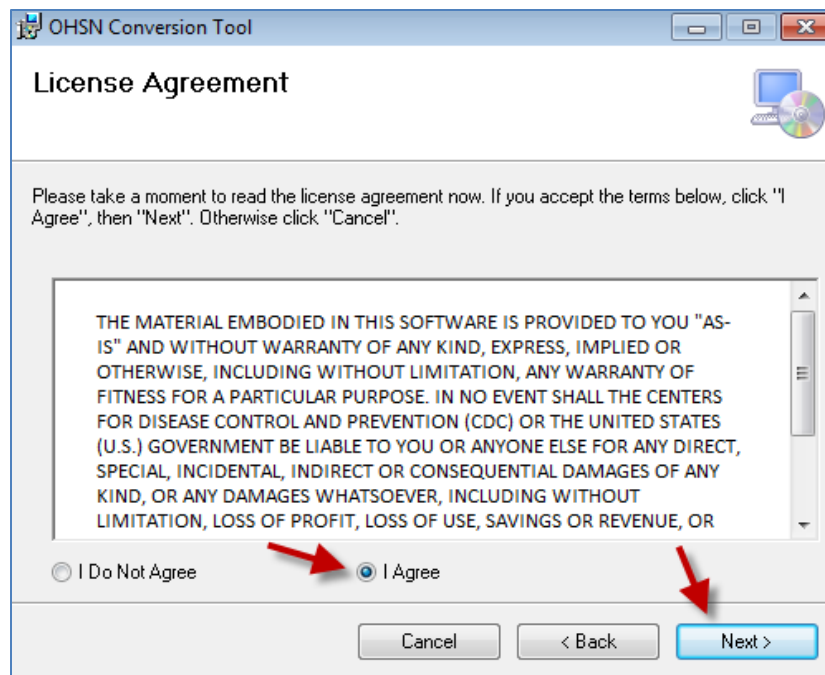
To install the OHSN Conversion Tool, double-click on the **setup.exe** file in the Conversion Tools folder previously downloaded (see section 8.1).

Name	Type	Compressed size	Password ...	Size	Ratio	Date modified
OHSN-2.0-ImportTemplate-AllFields	Microsoft Excel Macro-En...	43 KB	No	48 KB	11%	1/12/2016 12:08 PM
OHSN-2.0-ImportTemplate-Requir...	Microsoft Excel Macro-En...	49 KB	No	53 KB	9%	1/12/2016 12:06 PM
ReadMe	Microsoft Word 97 - 2003 ...	9 KB	No	31 KB	74%	4/15/2015 4:03 PM
setup	Application	193 KB	No	418 KB	54%	1/14/2016 7:31 AM
zpackage	Windows Installer Package	932 KB	No	1,269 KB	27%	1/14/2016 9:33 AM

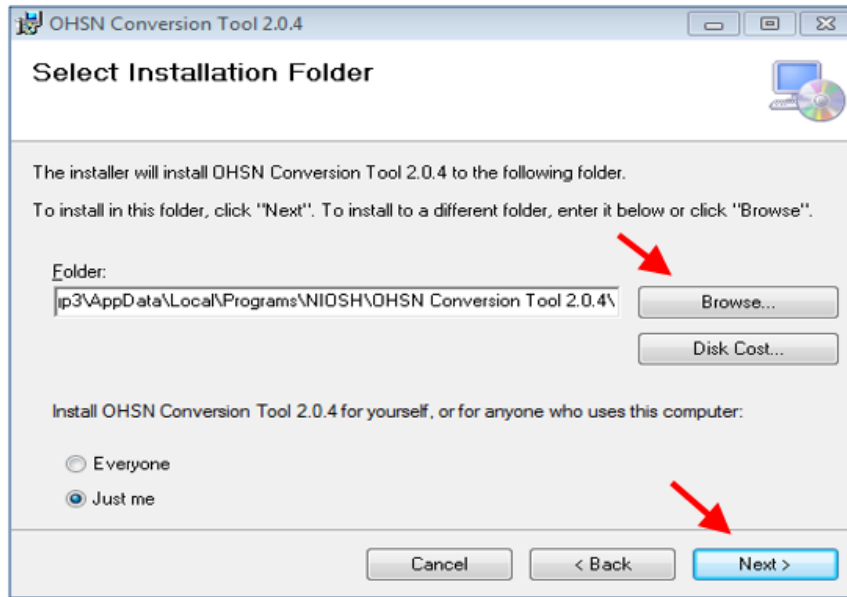
Next, the **OHSN Conversion Tool Setup Wizard** will appear. Click the **Next** button to continue.



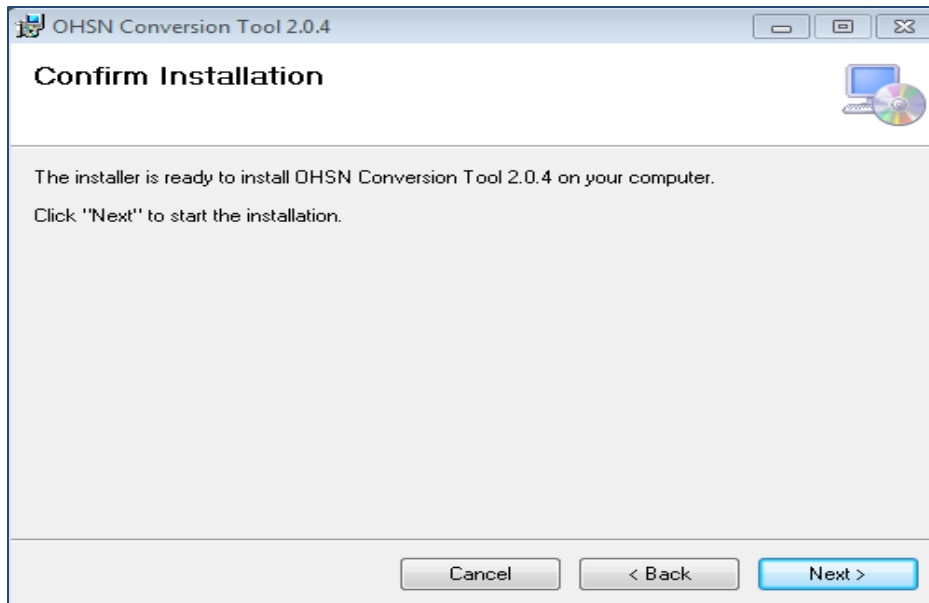
Read the license agreement and click the **I Agree** button then the **Next** button to continue.



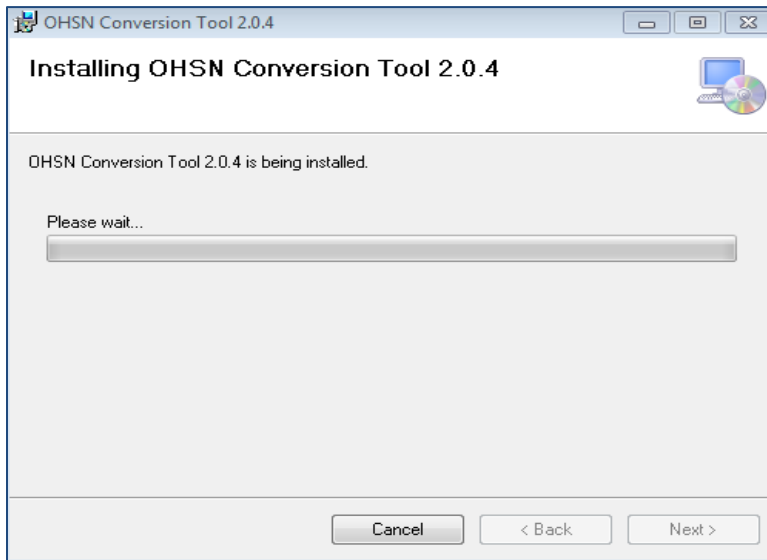
Select the Installation Folder where you wish to store the OHSN Conversion Tool using the **Browse** button, then click the **Next** button to continue.



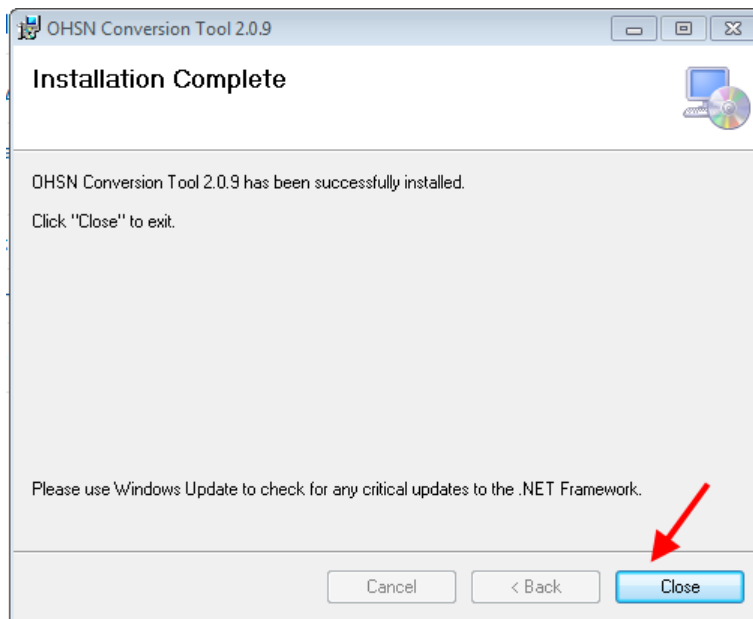
Click the **Next** button on the next screen to confirm the installation of the tool.



The next screen will notify you that the OHSN Conversion Tool is being installed.



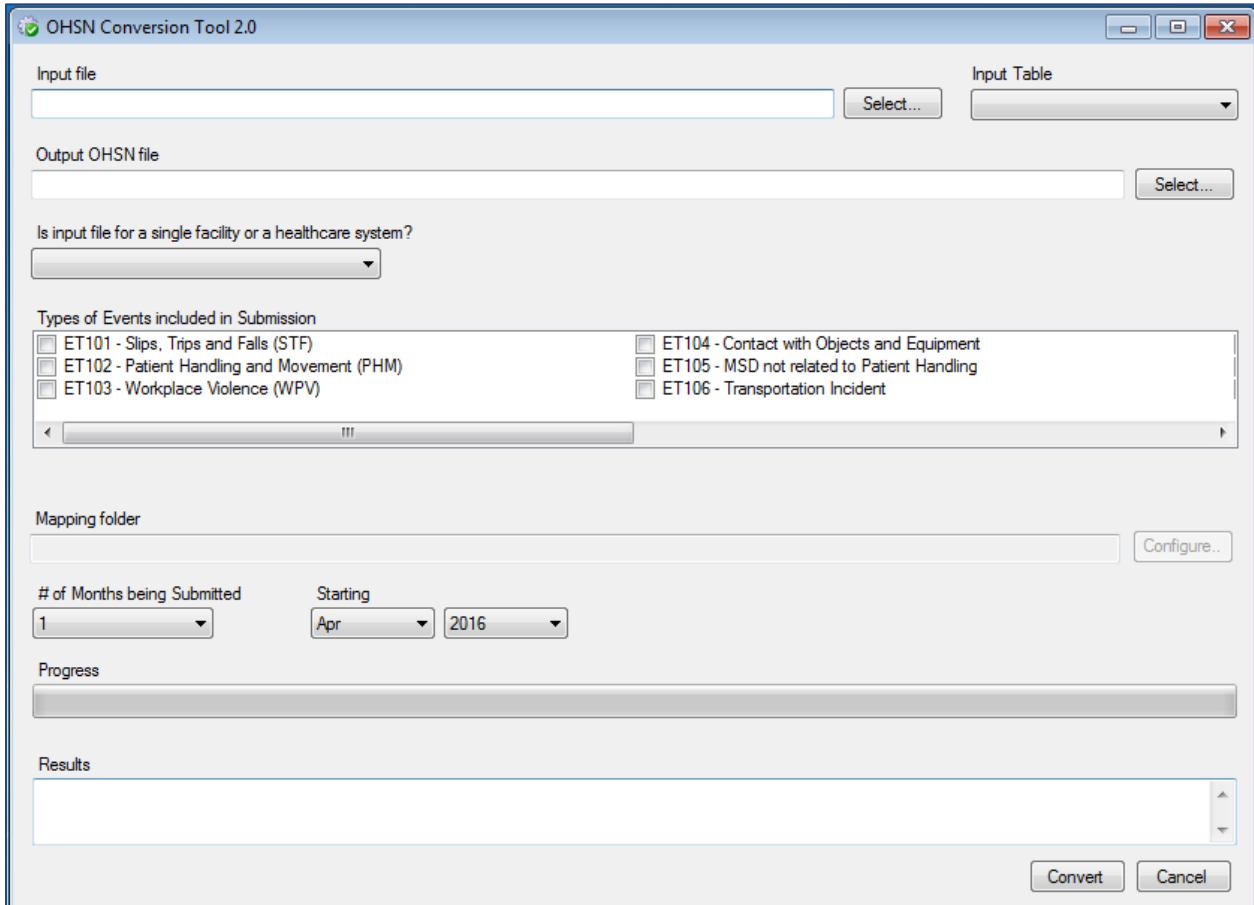
After a successful installation of the OHSN Conversion Tool, you should see the screen shown below and you can then click the **Close** button.



You can then open the OHSN Conversion Tool by navigating to the location you installed it, and click on "OHSN Conversion Tool".

### 8.3.2 OHSN Conversion Tool Screen

When you open the OHSN Conversion Tool, a screen will appear as shown below. Each field of the OHSN Conversion Tool is described in the table following the screen image.



#### OHSN Conversion Tool Screen

Screen Item	Description
<b>Input file</b>	Use the <b>Select</b> button next to this field to select an input spreadsheet file from a dialog box or enter the full path and filename of the file to be converted to OHSN standard XML file.
<b>Input Table</b>	This is the name of the Excel File Sheet where the data resides. If the Excel file contains more than one sheet (tab) then the user will need to select which sheet to use as input.

Screen Item	Description
<b>Output OHSN file</b>	<p>This is the location where the converted file will be stored for use in uploading to OHSN.</p> <p>Use the <b>Select</b> button next to this field to select an existing file (if already created) from a dialog box or enter the full path and filename for the OHSN XML file to be created. <i>The Tool will automatically suggest that the output file go in the same folder as the Input spreadsheet file, and add the word OHSN_ to the name: "OHSN_name of input file." Click Select to agree, or change as desired.</i></p>
<b>Is input file for a Single Facility or a healthcare system?</b>	Select from the drop down whether you are converting data for a single facility or for a healthcare system with multiple facilities.
<b>OHSN Facility ID</b>	<p>Enter your facility ID. Your facility ID is included in the email you received from NIOSH with instructions to log on to the system the first time. This ID is usually your AHA ID.</p> <p><b>Not used if file contains multiple facility's data (Healthcare system).</b></p>
<b>Name of Facility</b>	<p>Enter the name of your facility.</p> <p><b>Not used if file contains multiple facility's data (Healthcare system).</b></p>
<b>Types of Events Included in Submission</b>	Select the event type(s) included in this file submission. You can select more than one.
<b>Mapping Folder</b>	<p>Folder where the mapping information will be stored.</p> <p><b>NOT used for NIOSH provided Excel spreadsheet.</b></p>
<b># of Months being Submitted</b>	Select from the drop down the number of months of data included in this file submission.
<b>Starting</b>	<p>Select from the drop down the starting month of the data included in this file submission.</p> <p>Select from the drop-down the year of the starting month.</p>
<b>Progress</b>	Bar that will show the progress of the conversion process once started.
<b>Results</b>	Displays messages about the results of the data conversion.

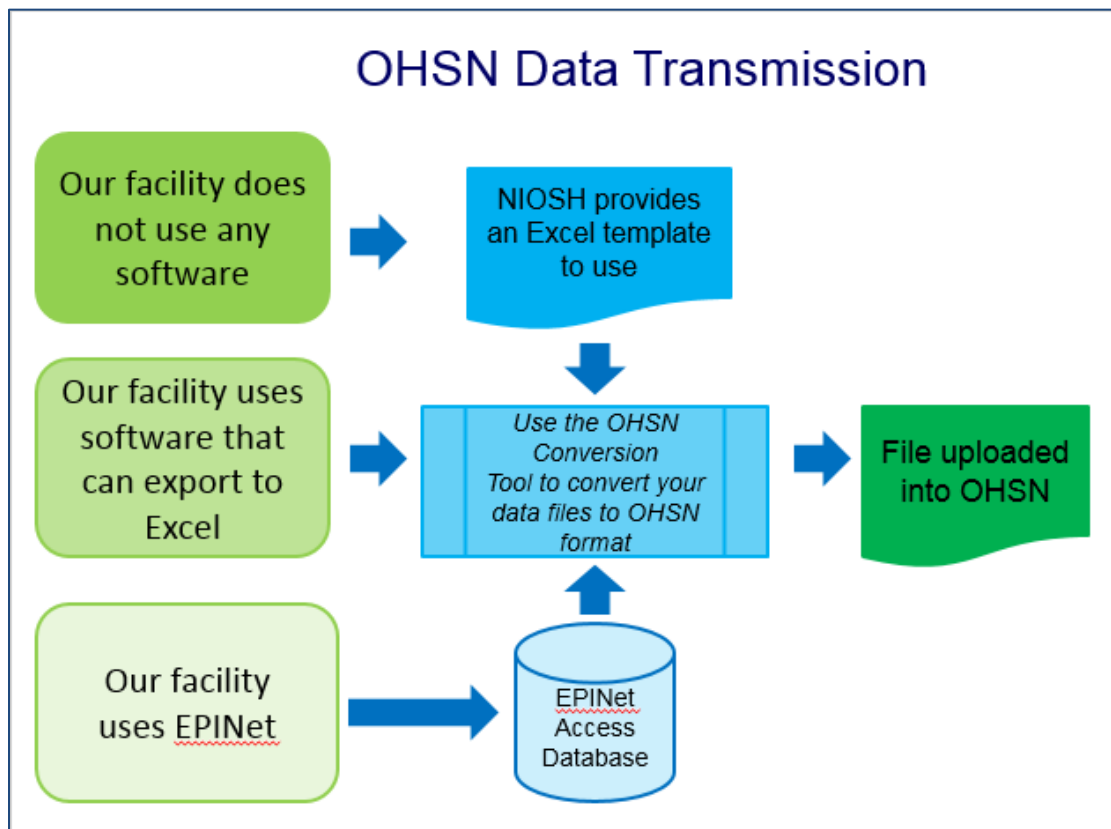


Screen Item	Description
<b>Configure</b>	Click this button to create or edit a map that converts facility-specific data to standard OHSN data elements and values.  <b>NOT used for NIOSH provided Excel spreadsheet.</b>
<b>Convert</b>	Click this button to begin the conversion process to create the OHSN XML file.
<b>Cancel</b>	Click this button to cancel a conversion process.

## 9 PREPARING DATA FOR UPLOADING TO OHSN

Data uploaded to OHSN must be in the standard OHSN XML file format. The OHSN Conversion Tool will provide users the ability to convert their data to this standard format (see Section 8).

The steps for conversion depend on how the data are collected by the facility.



## 9.1 Converting Data Collected using the NIOSH Provided Excel Spreadsheet

Facilities that chose to use the NIOSH provided Excel file to enter their facility event data can use the OHSN Conversion Tool to validate and convert their data to prepare for uploading to OHSN.

Data mapping is not required if using the NIOSH provided Excel file because the file already contains the standard OHSN data element values. NOTE: There will be no entry in the **Mapping folder** field on the conversion tool screen.

Open the OHSN Conversion Tool, enter all the required information (see Section 8.3.2), and then click the **Convert** button at the bottom of the screen.

OHSN Conversion Tool 2.0

Input file: C:\Anytown\_Hospital\_2015\_nov\_feb.xlsx [Select...]

Sheet: Sheet1

Output OHSN file: C:\OHSN\_Anytown\_Hospital\_2015\_nov\_feb.xml [Select...]

Is input file for a single facility or a healthcare system?  
Single Facility

OHSN Facility ID: 6000010

Name of Facility: Anytown Hospital A

Types of Events included in Submission

<input checked="" type="checkbox"/> ET101 - Slips, Trips and Falls (STF)	<input type="checkbox"/> ET104 - Contact with Objects and Equipment
<input checked="" type="checkbox"/> ET102 - Patient Handling and Movement (PHM)	<input type="checkbox"/> ET105 - MSD not related to Patient Handling
<input checked="" type="checkbox"/> ET103 - Workplace Violence (WPV)	<input type="checkbox"/> ET106 - Transportation Incident

Mapping folder: [ ] [Configure...]

# of Months being Submitted: 1

Starting: Nov 2015

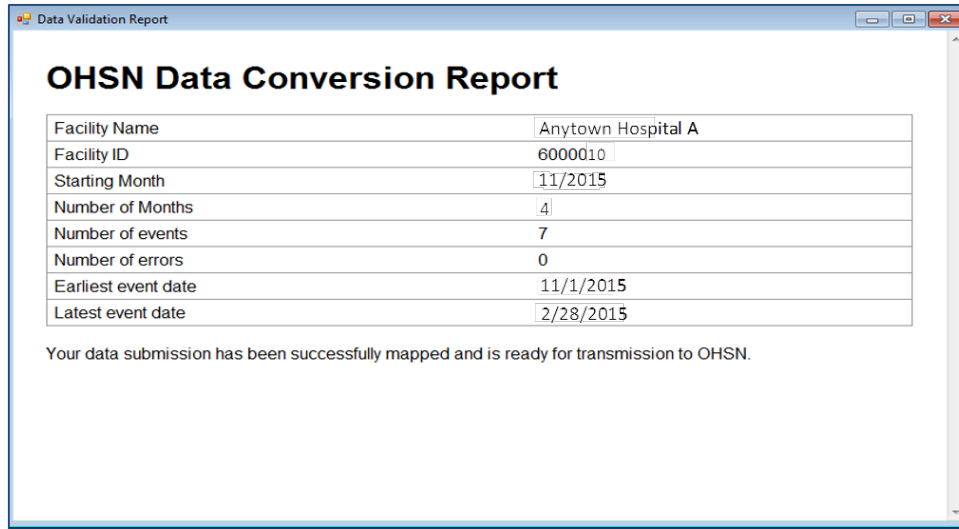
Progress: [Progress bar]

Results: [Results area]

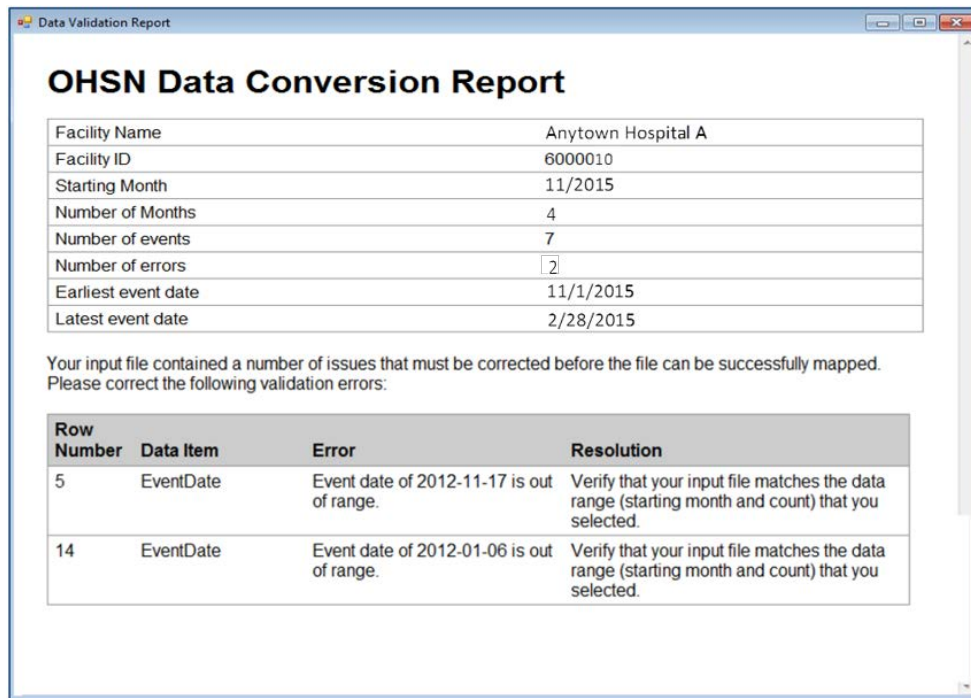
[Convert] [Cancel]

A red arrow points to the Convert button.

If no errors are found, the following screen will appear:



If errors are found in the data, the conversion tool will display a screen similar to the one below. Records with errors will be identified by row number so that you can make corrections in the input spreadsheet. Once the corrections are made, you can run the conversion tool again to validate and create the needed OHSN file format for uploading.



## 9.2 Converting Data from Facility Specific Software

Facilities that use their own software or commercially developed software to collect data can export their data to Excel then use the OHSN Conversion tool to map facility data to OHSN standard data elements and values.

The OHSN Conversion Tool creates the crosswalk between the facility's data and the standard OHSN data requirements. **The map creation only needs to be done once** because the results are stored and can be used again for the next month's data submission. If values change in the facility's data, the map can be updated as needed.

Healthcare Systems can convert multiple facility data in one spreadsheet however the data must be grouped by facility ID.

Start by opening the OHSN Conversion Tool. Enter or select the information required by the tool (see Section 8.3.2), then click the **Configure Mapping** button to begin the mapping process.

OHSN Conversion Tool 2.0

Input file: c:\AAA Medical Center.xlsx [Select...]

Sheet: Sheet1

Output OHSN file: c:\OHSN\_AAA Medical Center.xml [Select...]

Is input file for a single facility or a healthcare system? Single Facility

OHSN Facility ID: 6000099

Name of Facility: AAA Medical Center

Types of Events included in Submission

<input checked="" type="checkbox"/> ET101 - Slips, Trips and Falls (STF)	<input type="checkbox"/> ET104 - Contact with Objects and Equipment
<input checked="" type="checkbox"/> ET102 - Patient Handling and Movement (PHM)	<input type="checkbox"/> ET105 - MSD not related to Patient Handling
<input checked="" type="checkbox"/> ET103 - Workplace Violence (WPV)	<input type="checkbox"/> ET106 - Transportation Incident

Mapping folder: [ ] [Configure...]

# of Months being Submitted: 4

Starting: Nov 2015

Progress: [ ]

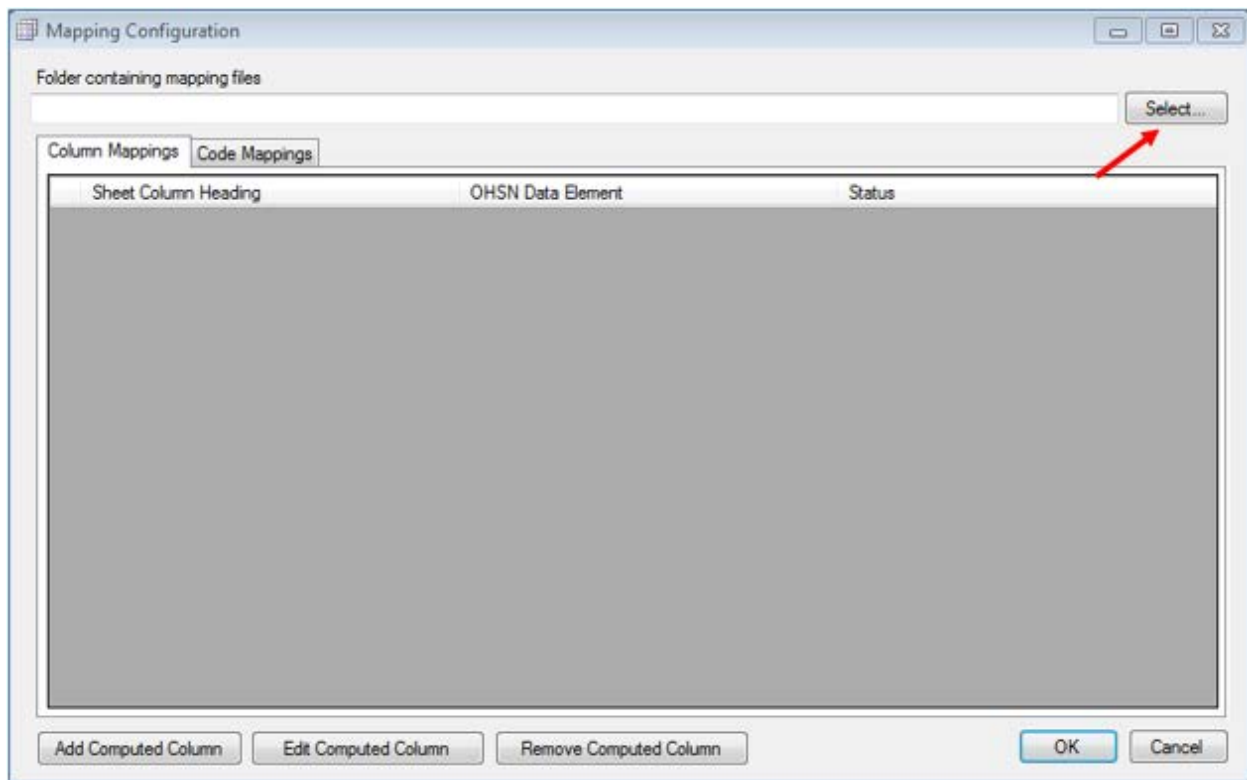
Results: [ ]

[Convert] [Cancel]

After clicking the **Configure** button, the following screen will appear requiring you to select the folder that stores the OHSN map to your data.

- If this is the first time converting your data you will need to select a new folder to store the OHSN maps of your data.
- If you have previously converted and submitted data to OHSN, then you will want to select the folder where the original OHSN maps of your data were stored.

Click the **Select** button to locate and create a folder.

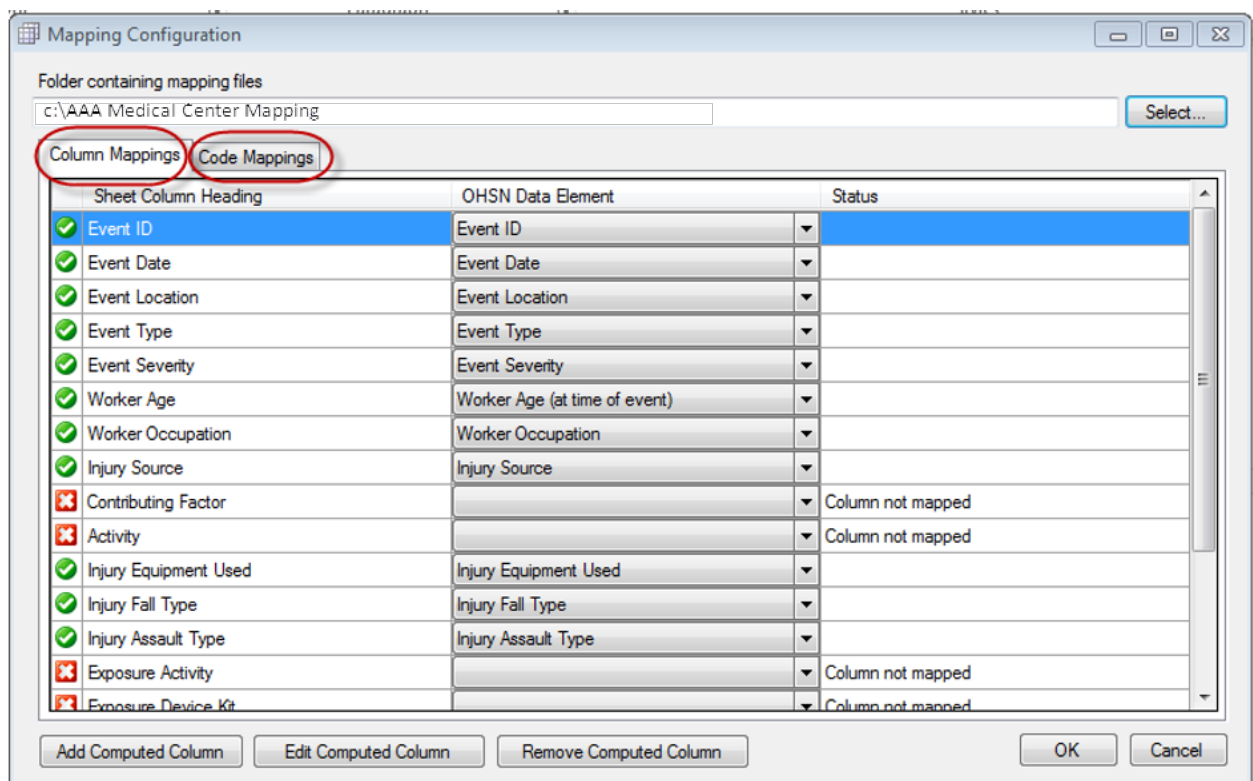


**IMPORTANT NOTE:** The mapping tool creates a CSV file for each data element. Each facility should only have one set of mapping files. If more than one user in the facility or system will be maintaining the mapping files, the Output OHSN file location selected should be on a shared network drive.

Once you select a folder to store the map, the tool will automatically attempt to map as many of the data elements and values as possible and provide you with a new **Mapping Configuration** screen to complete the process.

The **Mapping Configuration** screen has two tabs:

1. **Column Mappings** – used to identify which fields (data elements) from the input spreadsheet (facility data) should correspond to OHSN data elements.
2. **Code Mappings** – used to convert values for each field in the input spreadsheet to standard OHSN values for each OHSN data element.





### 9.2.1 Column Mappings

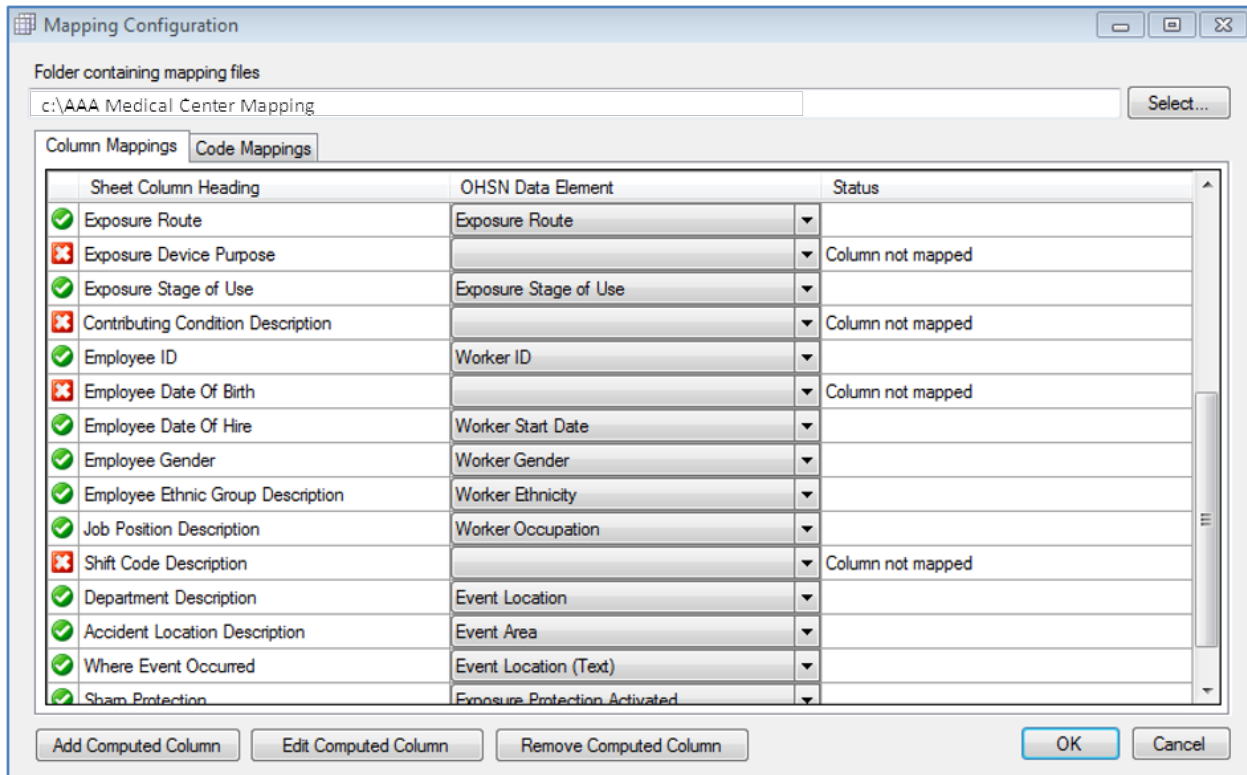
**Columns must be mapped first.** There are three columns on the Column Mapping Screen:

- **Sheet Column Heading:** These are the column headings pulled directly from your facility Excel worksheet. Column headings for your facility must be located in the first row of your worksheet.

- **OHSN Data Element:** Drop-down menus with OHSN Standard Data Elements to choose from.
- **Status:** Indicates if the column has not yet been mapped.

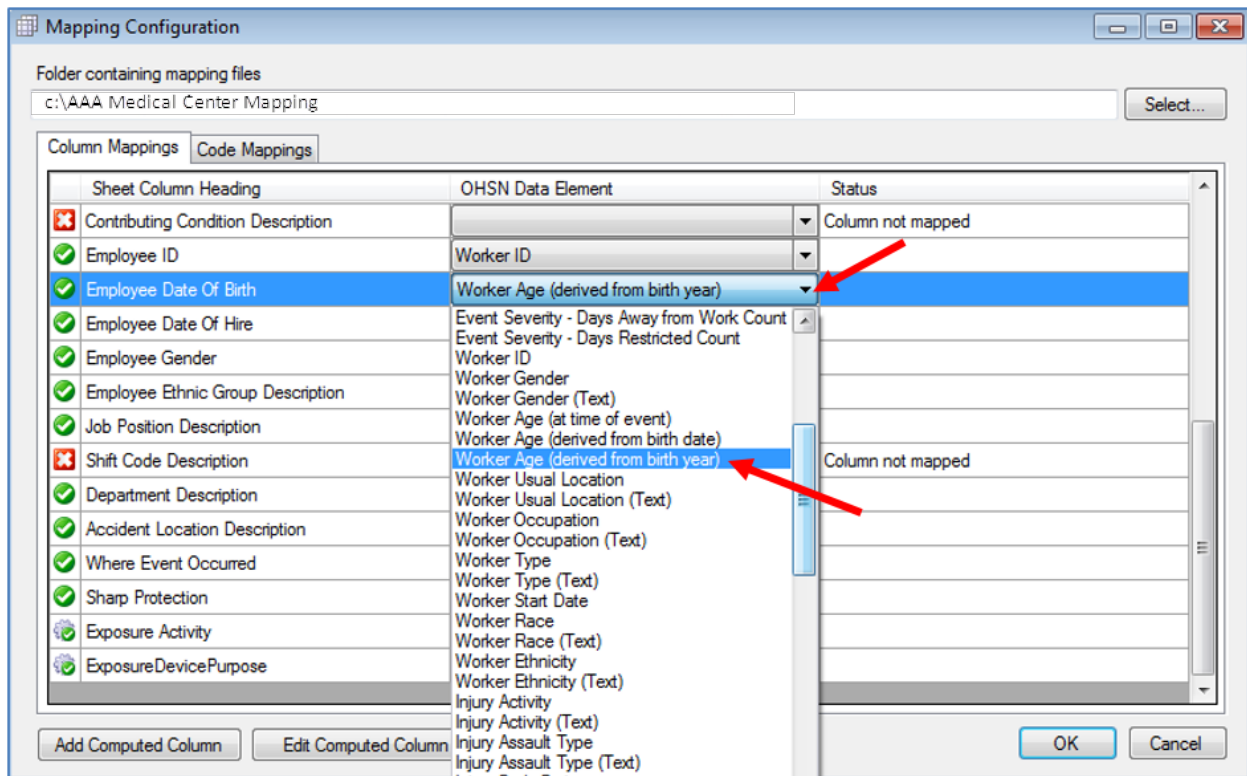
In the example below, the OHSN Conversion Tool was able to automatically map several fields from the input spreadsheet to the correct corresponding OHSN data elements, such as Event ID, Event Date, Event Location, Event Type, Worker Age, etc. These fields will have a green check mark  in the **Sheet Column Heading** column on the Column Mappings tab. If any of these mappings are incorrect, you can change it with the drop-down menu in the OHSN Data Element column.

Columns in the input spreadsheet that did not map automatically will have a red mark  next to the field name. You will need to manually map these fields.



To map input spreadsheet fields to standard OHSN data elements, click the down arrow in the **OHSN Data Element** column for the field to be mapped. A drop-down list will display showing all OHSN data elements. Click on the data element that most closely corresponds to the input data field as shown below.





Once all input spreadsheet fields are mapped, click the **OK** button. It is possible that some fields on the input spreadsheet will not have a match to an OHSN data element. As long as all the required OHSN data elements have matched, then extra fields can simply remain with the red X next to them. You can also choose the option to (**ignore**) the field from the OHSN Data Elements drop-down menu.

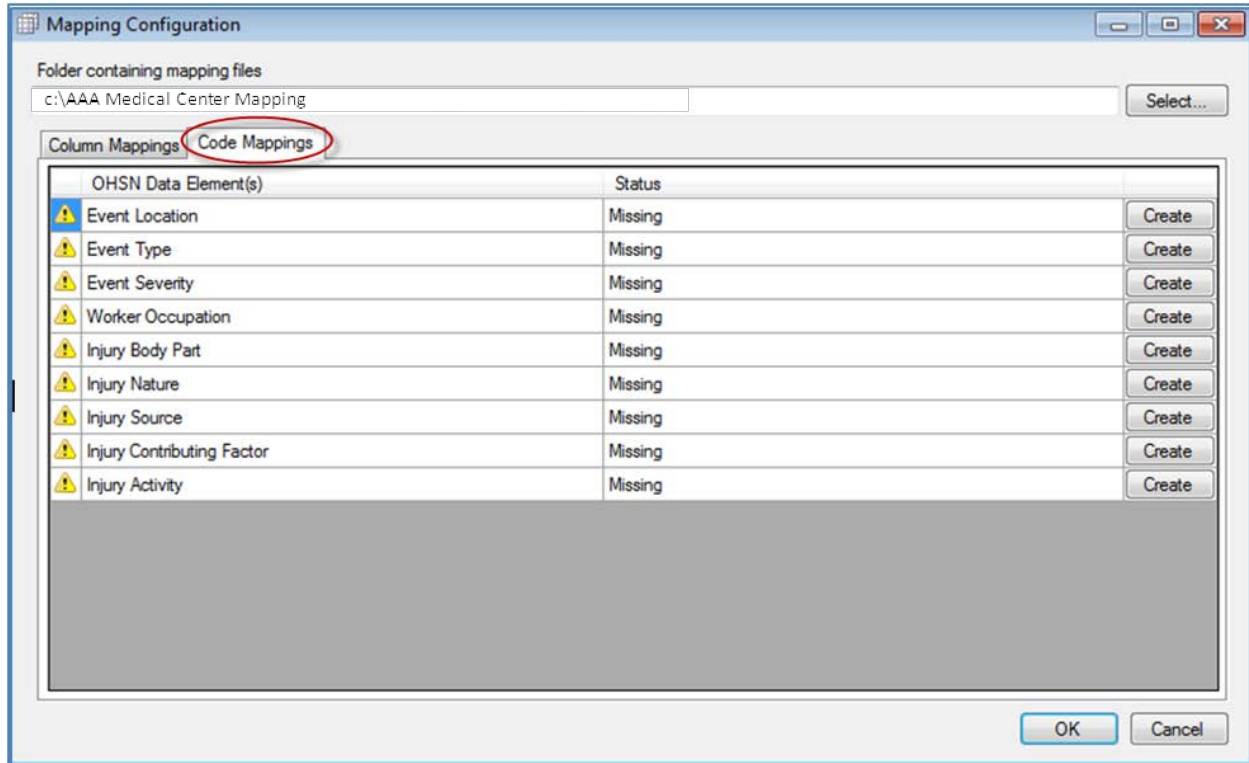
Required OHSN data elements can be found in the in the OHSN Standard Occupational Data Architecture (SODA) document found at:

<https://www.cdc.gov/niosh/topics/ohsn/documentation.html>

See section 9.2.3 to learn how to add required OHSN data elements which are not included in the facility's input file.

## 9.2.2 Code Mappings

Next, each of the data element values from the input file will need to be mapped to OHSN standard data values. Click on the **Code Mappings** tab to begin mapping data element values.



There are three possible indicators for data element mappings on this screen:



Indicates codes for the data element have not yet been mapped.



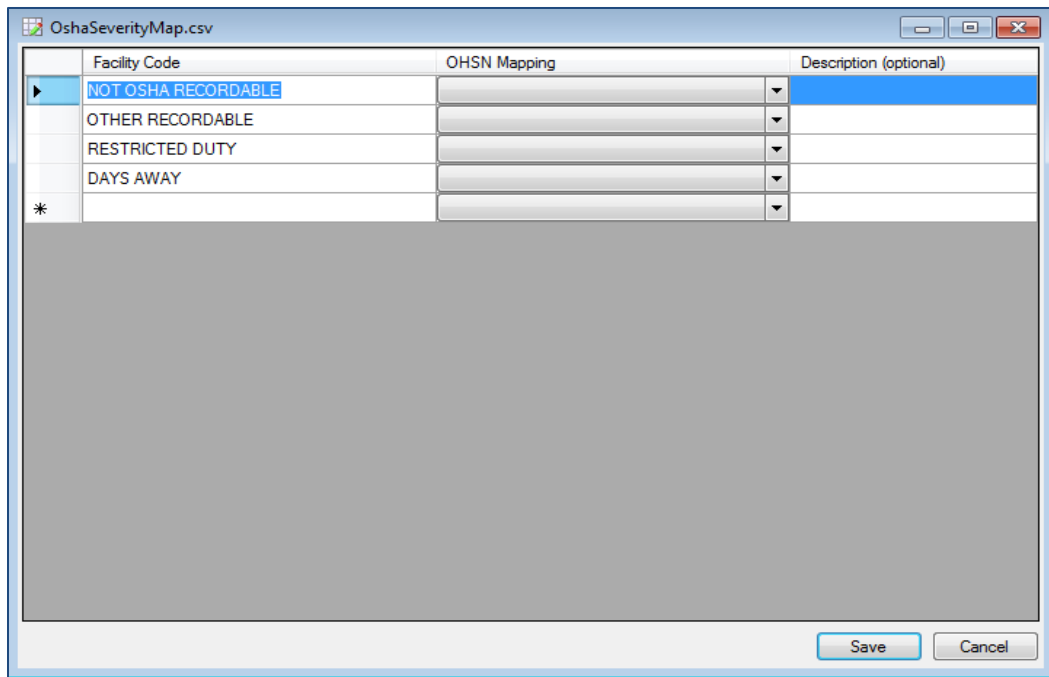
Indicates all codes for the data element have been mapped



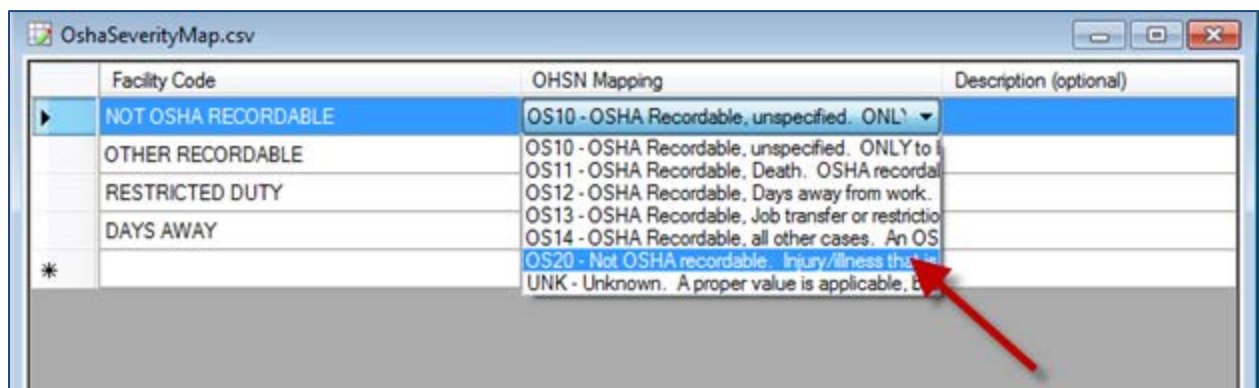
Indicates **not** all codes for the data element have been mapped.

Similar to the data element mapping, the input field values will need to be mapped to standard OHSN data element values. The OHSN Mapping Configuration screen for code mapping will display each OHSN data element that needs to be mapped.

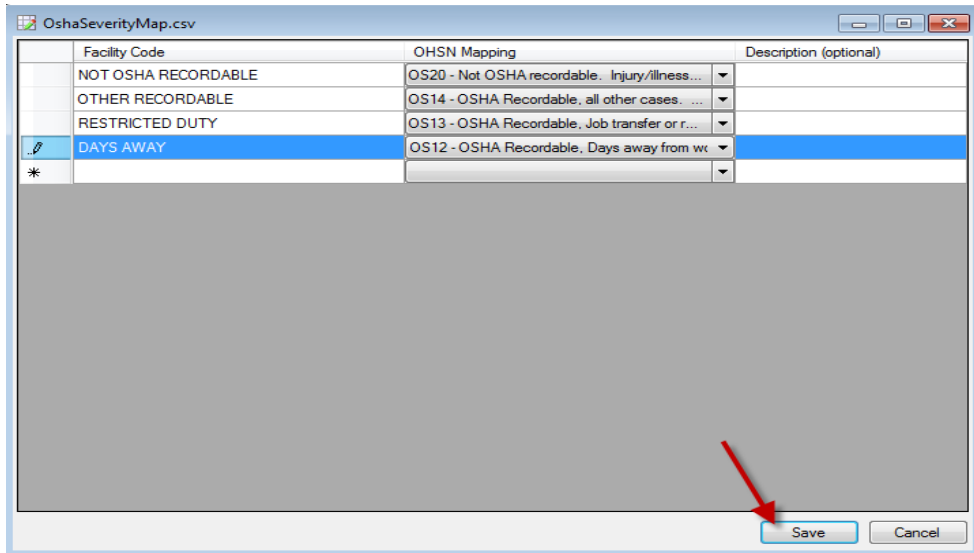
Click on a **Create** button for one of the data elements on the **Code Mappings** screen (see above) to begin the code mapping process. A screen will appear showing all the unique values for that data element from the input spreadsheet, as shown below for the Event Severity data element.




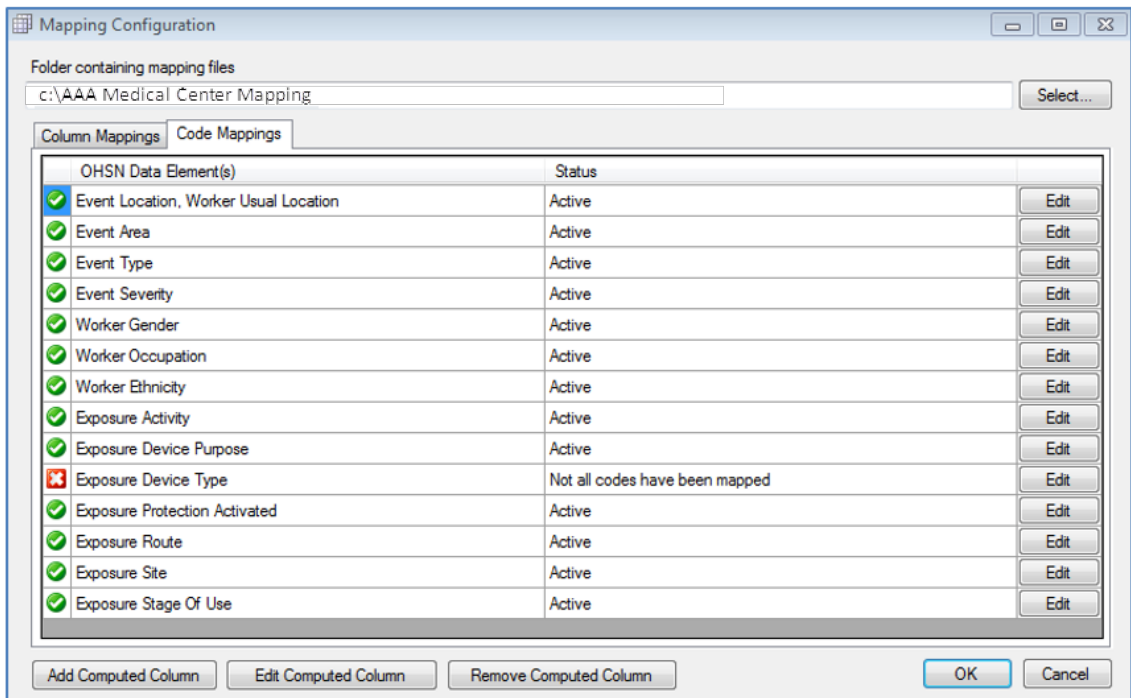
To assign (map) an OHSN value to each input value, click the down arrow in the OHSN Mapping column for each value and select the appropriate OHSN code. The example below shows that the OHSN value of **OS20 – Not OSHA recordable. Injury/illness that is not** was selected for the input value of ‘NOT OSHA RECORDABLE.’



The example below shows the OHSN standard data value selections for each of the input facility codes for Event Severity. Once all codes for the data element are mapped, click the **SAVE** button.

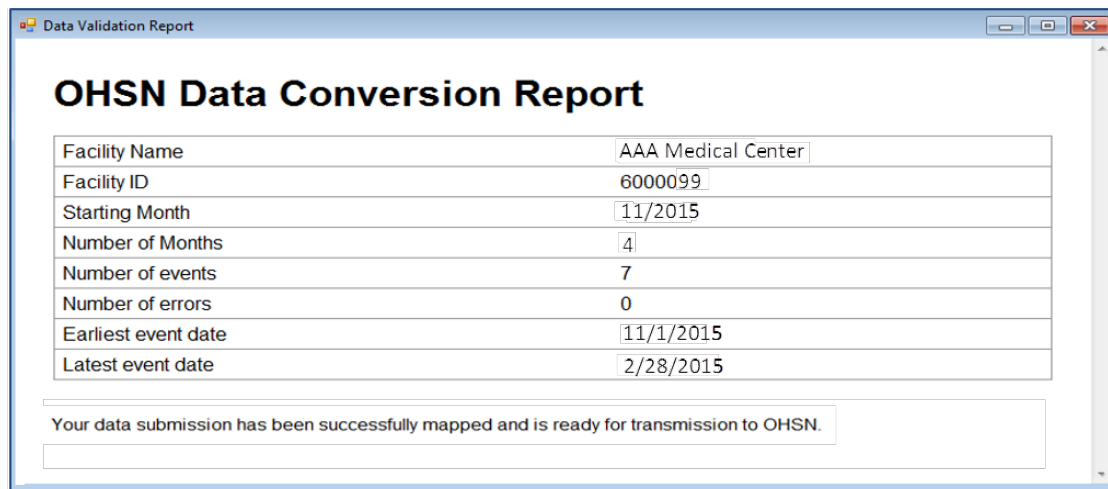
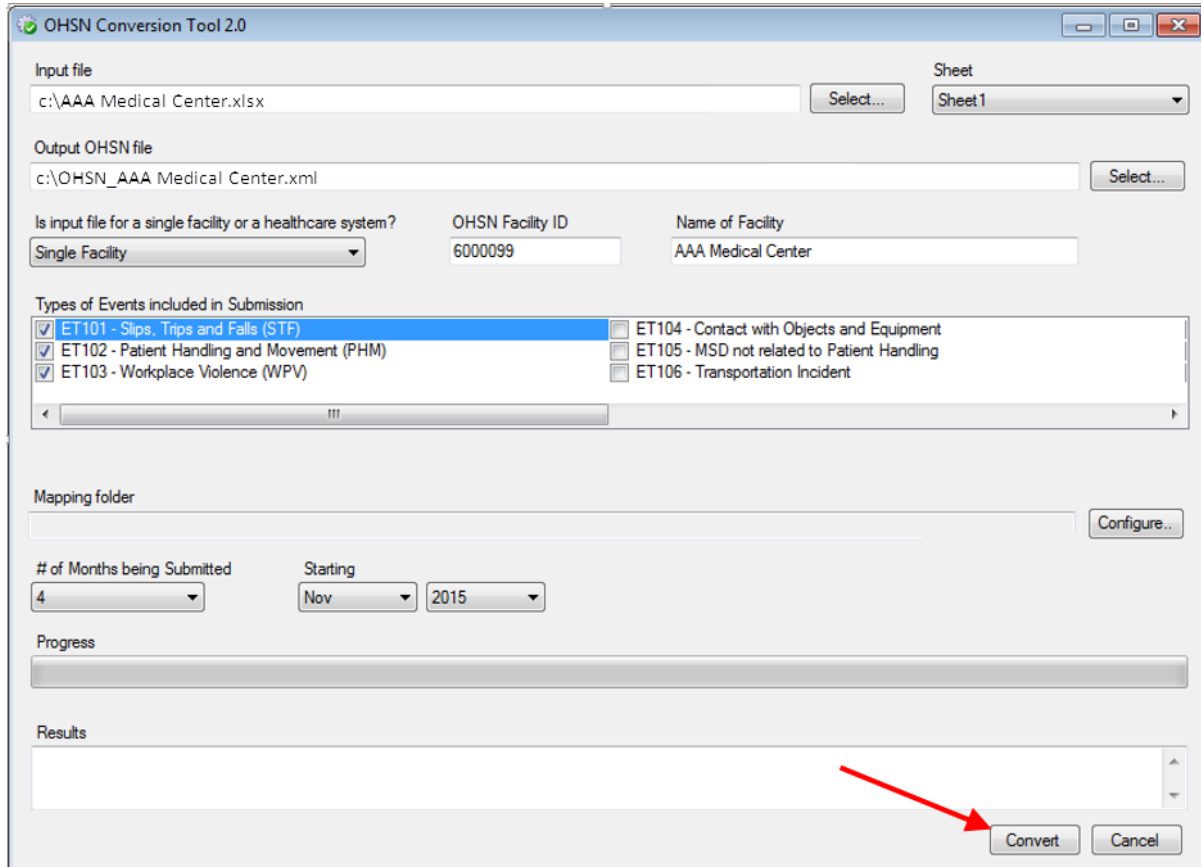


Continue with each data element to map their data values. As each data element is completed, a green check  will appear next to it to indicate that a data value map has been created. Data element value maps can be edited as needed once created.



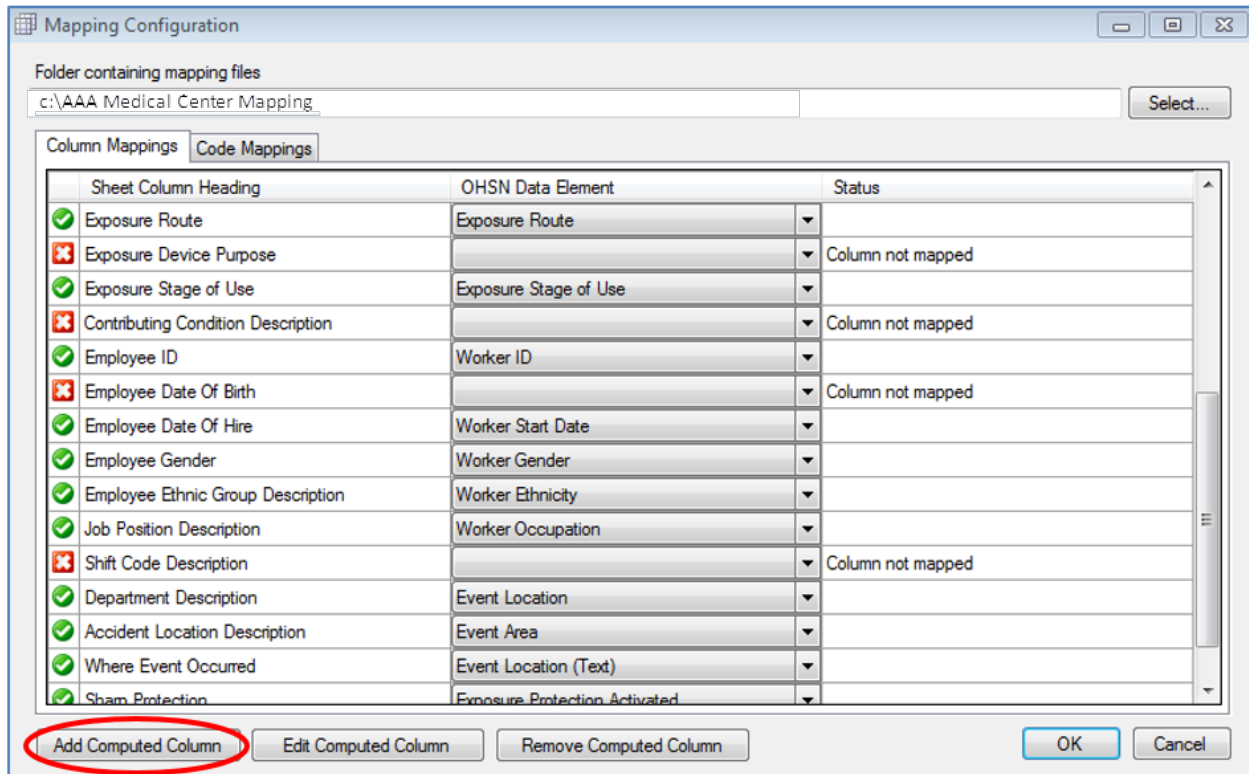
Once all data fields and field values have been mapped to the OHSN standard data element requirements, click **OK** to return to the OHSN Conversion Tool screen.

From the OHSN Conversion tool screen, click **Convert** to convert the input file to an OHSN file format (.xml) for uploading.

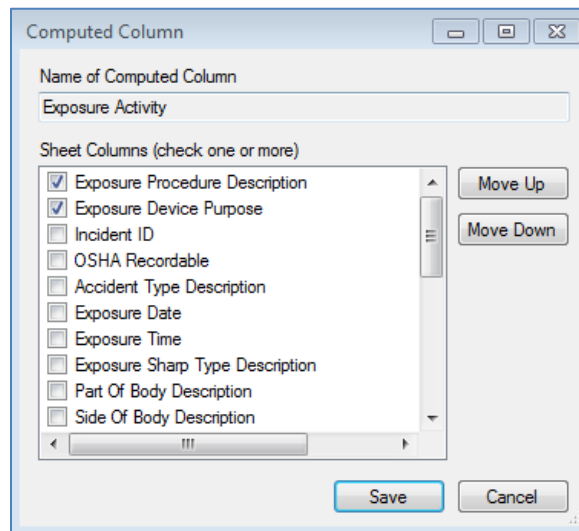



### 9.2.3 Adding Columns

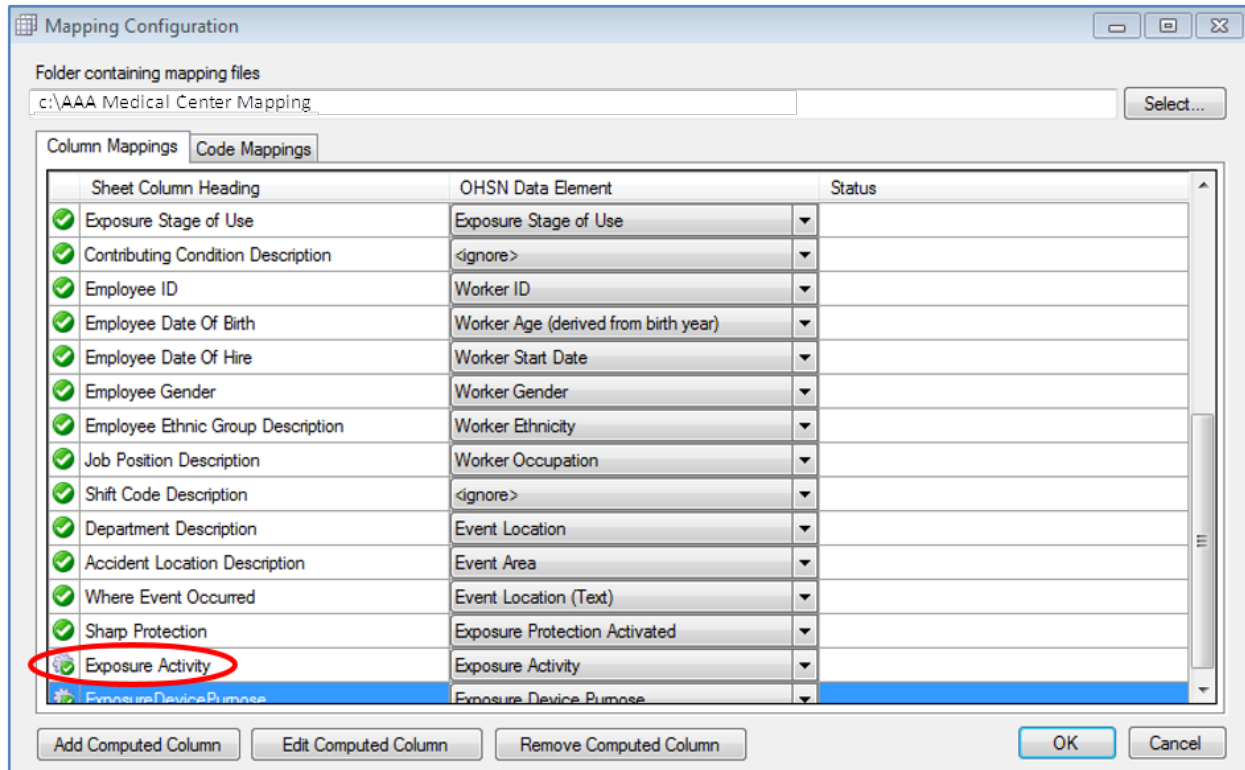
For required OHSN data elements that are not found in your input spreadsheet, you can add those data elements by clicking on the **Add Computed Column** button.



You will need to provide the name of the column by entering it into the **Name of Computed Column** field.



All computed columns that you create will appear towards the end of the Column Mappings tab and will show a green checked gear  next to it in the **Sheet Column Heading** column.



If you would like to re-select and/or re-order the Sheet Columns for your computed column, click on the **Edit Computed Column** button. If you would like to delete the computed column you created, click on the **Remove Computed Column** button.

## 9.3 Converting Data from EPINet Software

EPINet (Exposure Prevention information Network) is a sharps injury and blood exposure surveillance system that was developed at the University of Virginia using Microsoft Access software. EPINet software has been distributed to thousands of US hospitals over the past 15 years. The latest version of EPINet can be downloaded for free from the NIOSH OHSN website under the *Facility Tools* section at: <http://www.cdc.gov/niosh/topics/ohsn/documentation.html>

Facilities that are using EPINet software can use the OHSN Conversion Tool to map their data fields and values to the standard OHSN fields and values. The results of the mapping process are stored so that they can be used again for the next month's data submission. In essence, the tool creates the crosswalk between the facility's data and the standard OHSN data requirements. The map needs to be created only once and can be updated if values change in the facility's data.

Select the EPINet file to be converted by clicking the Select button next to the Input file box at the top of the screen.

OHSN Conversion Tool 2.0

Input file   Input Table

Output OHSN file

Is input file for a single facility or a system?

Types of Events included in Submission

<input type="checkbox"/> ET101 - Slips, Trips and Falls (STF)	<input type="checkbox"/> ET201 - Exposure to Blood or Body Fluids
<input type="checkbox"/> ET102 - Patient Handling and Movement (PHM)	<input type="checkbox"/> ET202 - Needlestick/SHARPS Injury
<input type="checkbox"/> ET103 - Workplace Violence (WPV)	<input type="checkbox"/> ET203 - Exposure to Other Biohazard
<input type="checkbox"/> ET104 - Contact with Objects and Equipment	<input type="checkbox"/> ET204 - Exposure to Other Harmful Substance or Environment
<input type="checkbox"/> ET105 - MSD not related to Patient Handling	<input type="checkbox"/> ET205 - Fire or Explosion
<input type="checkbox"/> ET106 - Transportation Incident	<input type="checkbox"/> ET999 - Other Event

Mapping folder

# of Months being Submitted  Starting

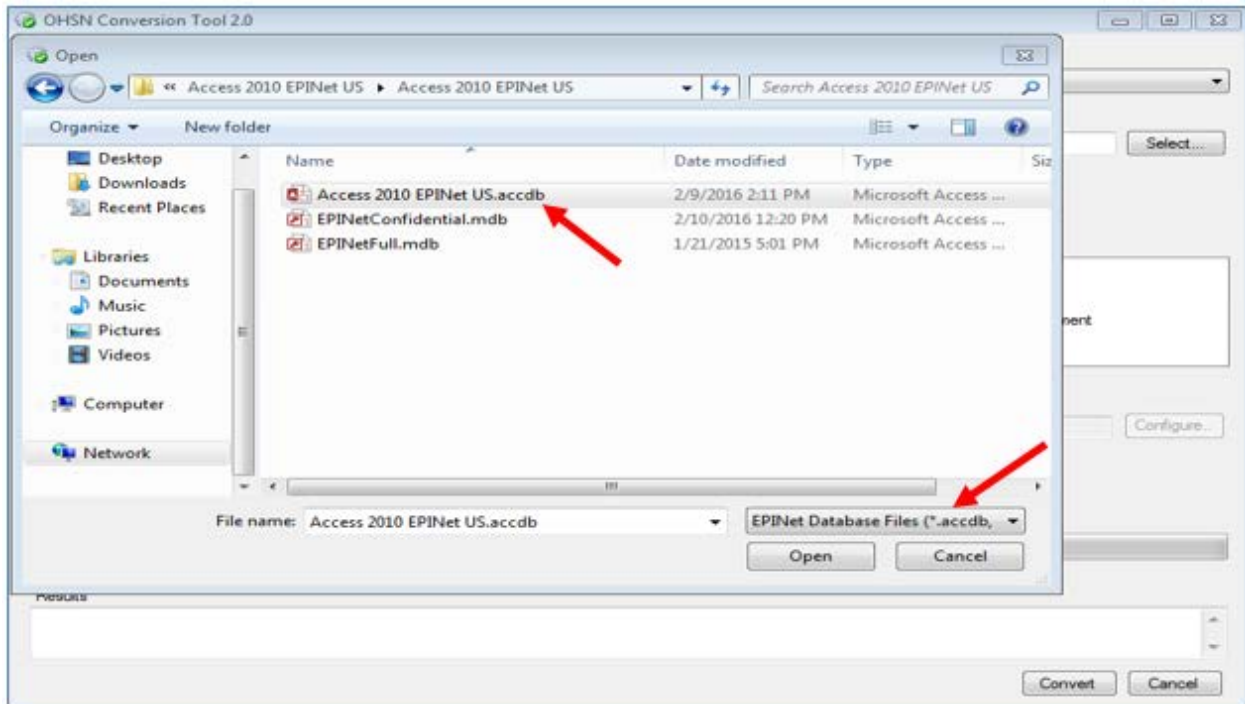
Progress

Results

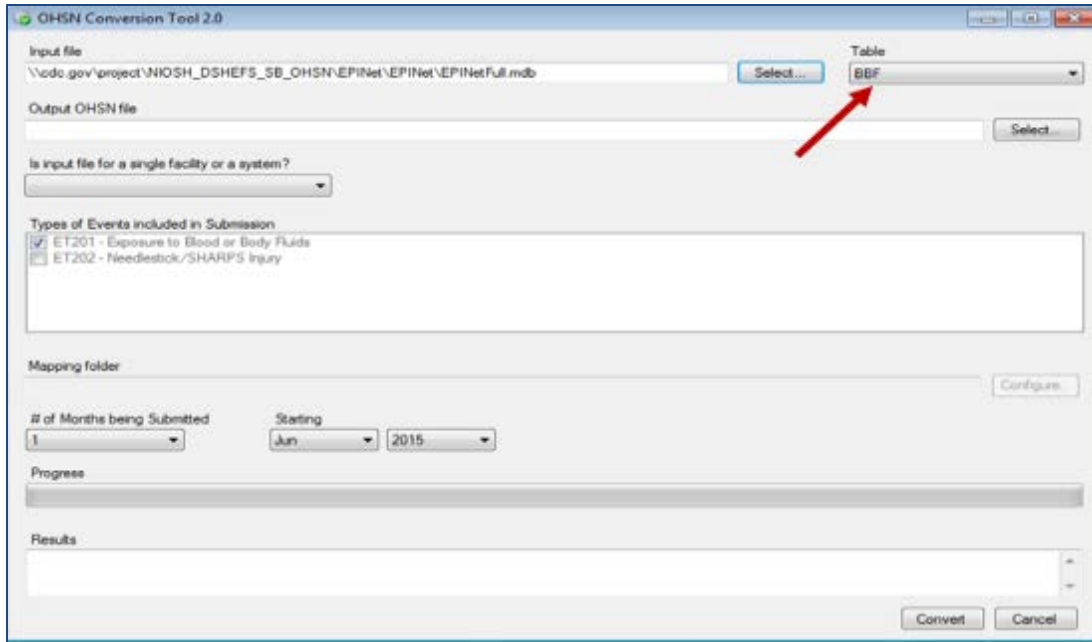


Select the Microsoft Access file containing your EPINet data. It is not necessary to export your data outside of EPINet. If the files have already been exported, please do not select the export .mdb files.

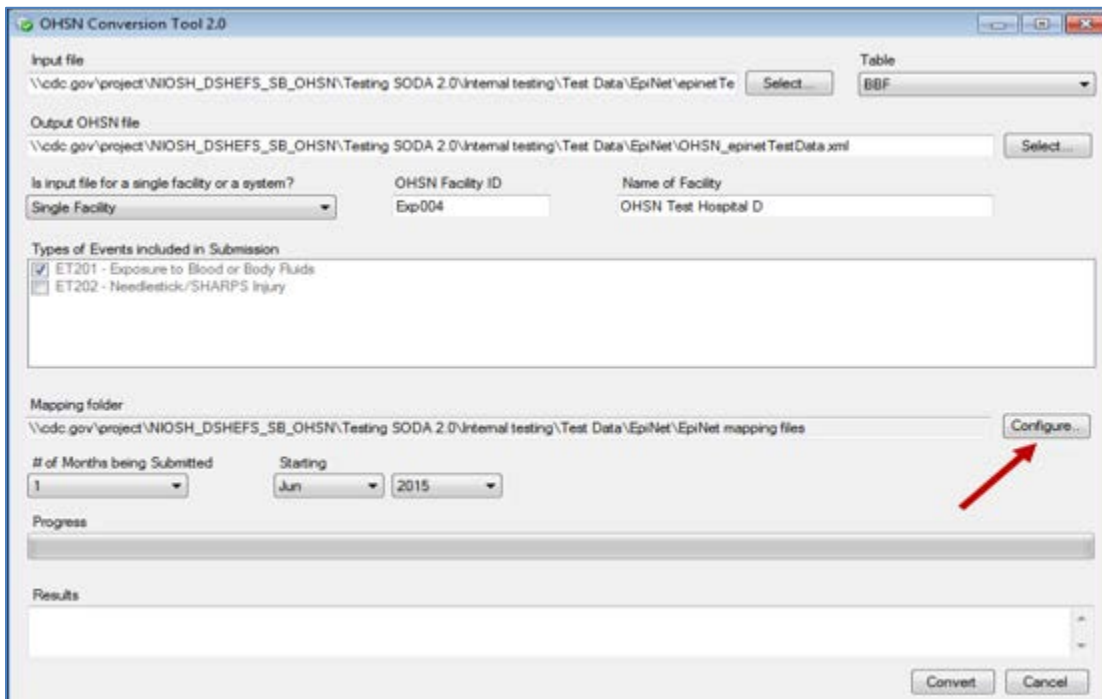
Select **EPINet Database Files** as your input file format.



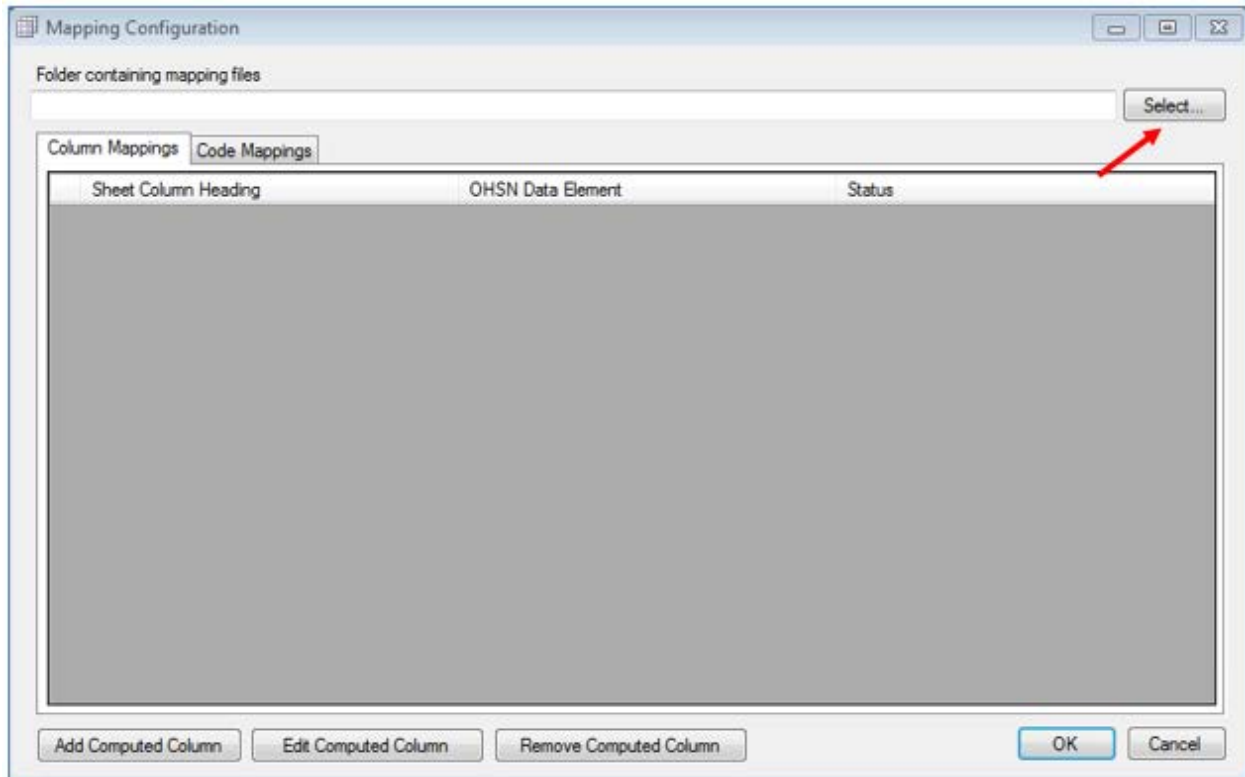
Data for Blood and Body Fluids (BBF) and Sharps/Needlesticks will need to be converted separately. In the example below, the BBF data is being converted first. **NOTE:** Repeat these conversion steps when ready to convert the Sharps/Needlesticks data but select **Needlestick** from the **Table** dropdown.



Click on the **Configure** button to open the Mapping Configuration window.



Click the **Select** button at the top of the Mapping Configuration screen to identify a folder to store the mapping information.

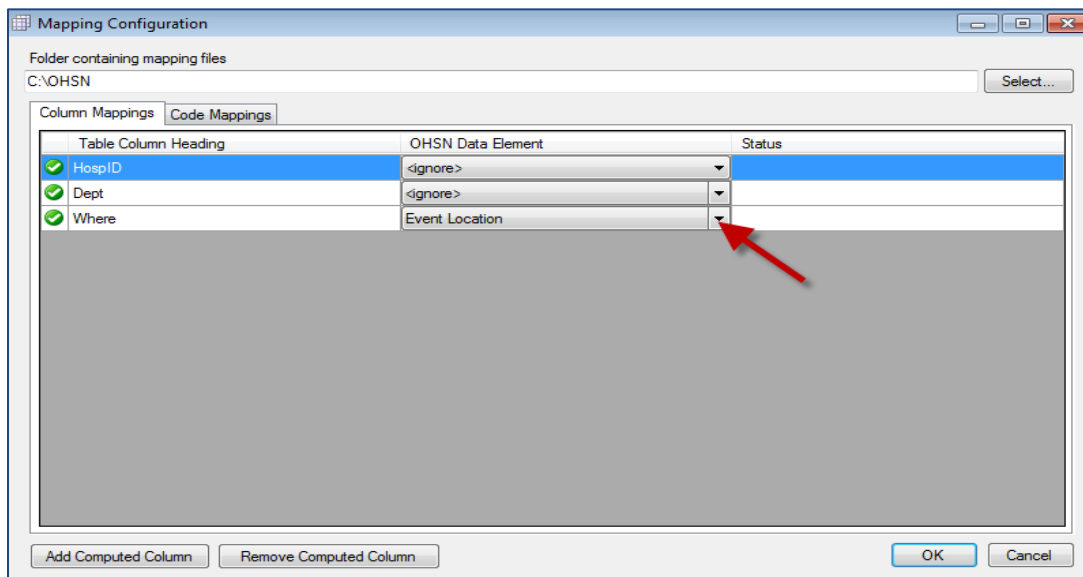


Once the mapping files folder is selected, three EPINet data items (Columns) will need to be mapped to OHSN data elements.

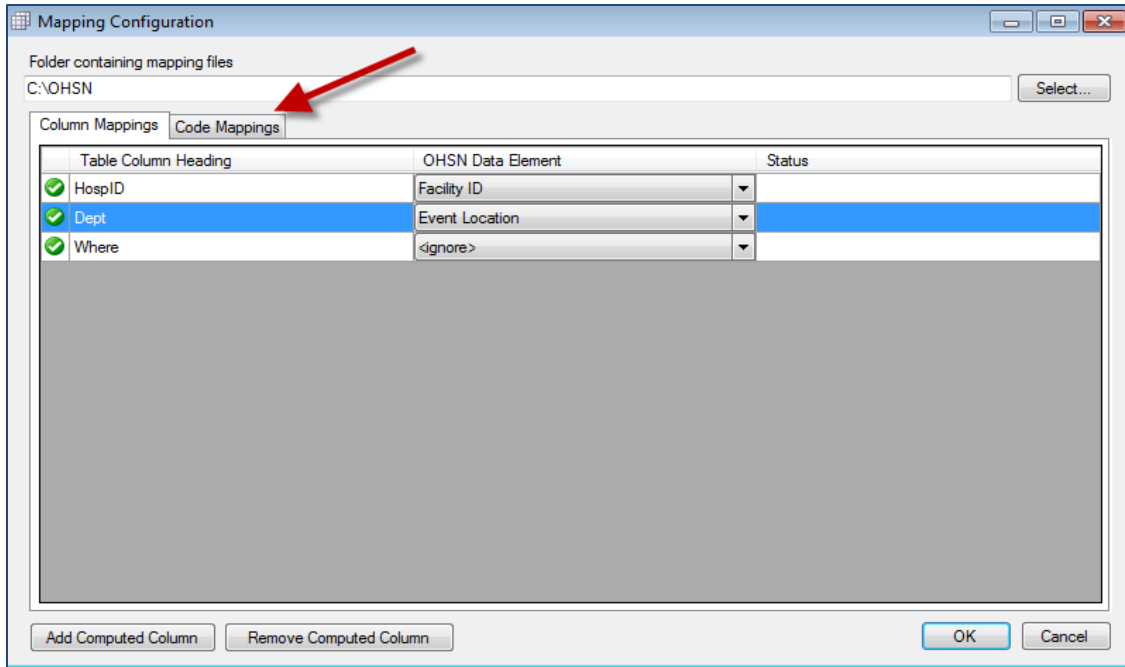
EPINet Data Item (Column)	Map to OHSN Data Element	Notes
HospID	Facility ID	Systems using non-OHSN/AHA IDs will need to map the system/facility unique IDs to OHSN/AHA IDs
Dept	Event Location or <ignore>	Choose to map either <b>Dept</b> or <b>Where</b> to Event Location. The other should be mapped to <ignore>.  If Dept is mapped to Event Location, then the values in Dept will need to be mapped to OHSN Event Location values.

EPINet Data Item (Column)	Map to OHSN Data Element	Notes
Where	Event Location or <ignore>	

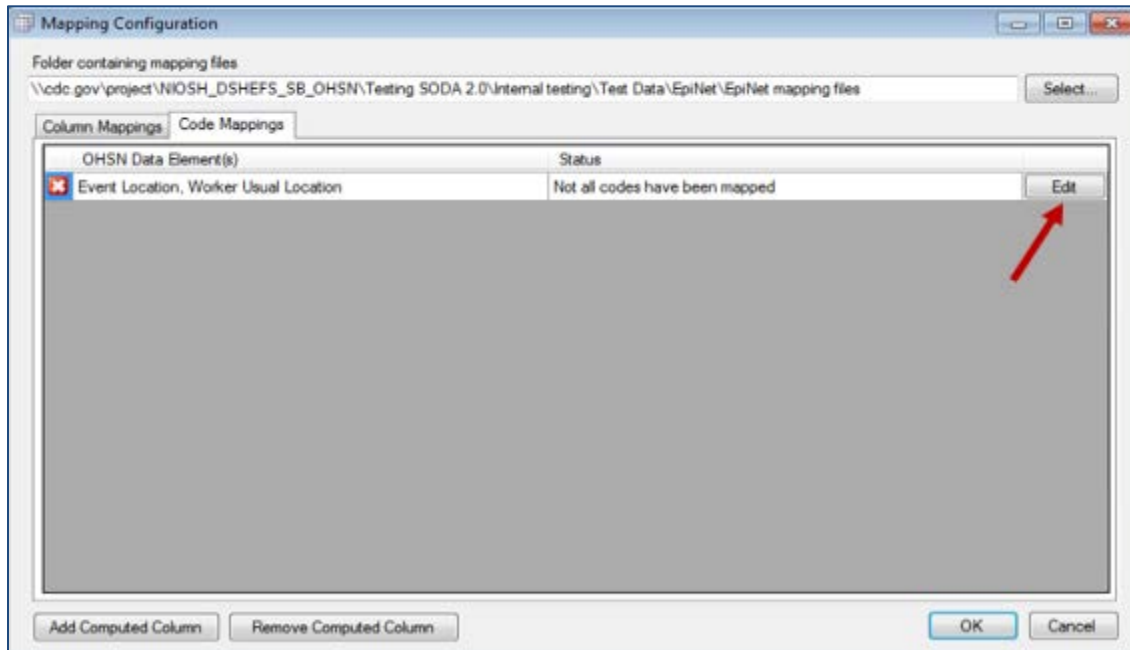
Click the down arrow on the OHSN Data Element column to map an EPINet column to an OHSN data element. After a column is mapped a green check mark should appear next to column heading. All three columns must have a green check before continuing.



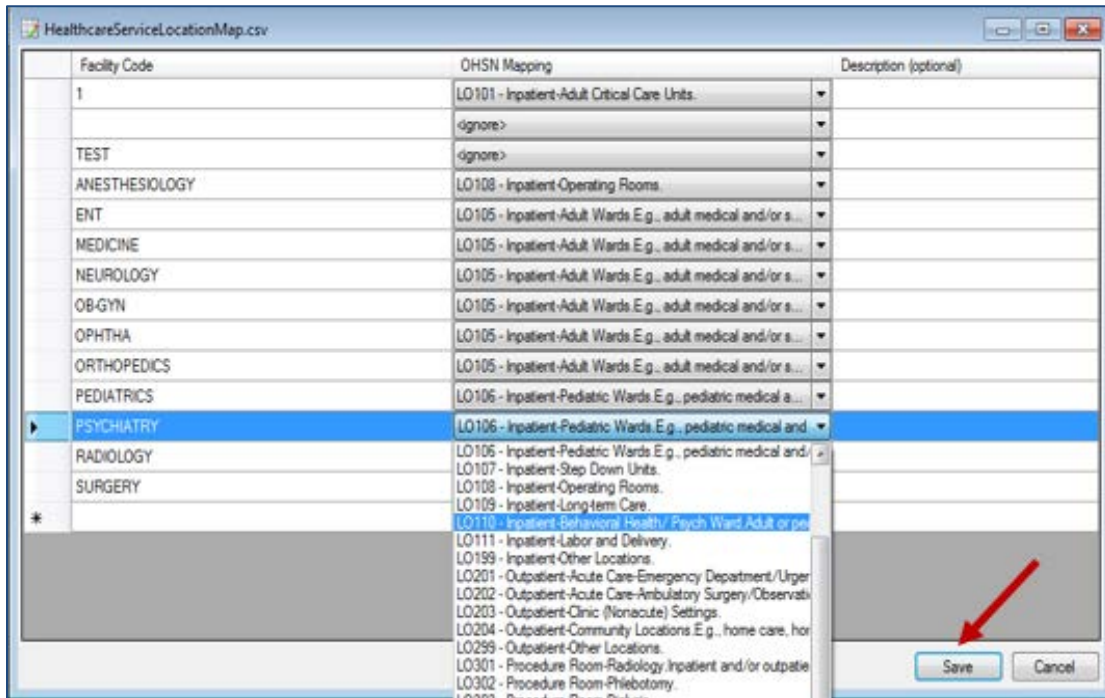
If **Dept** is mapped to the OHSN Event Location, click on “Code Mappings” to map unique facility department values.



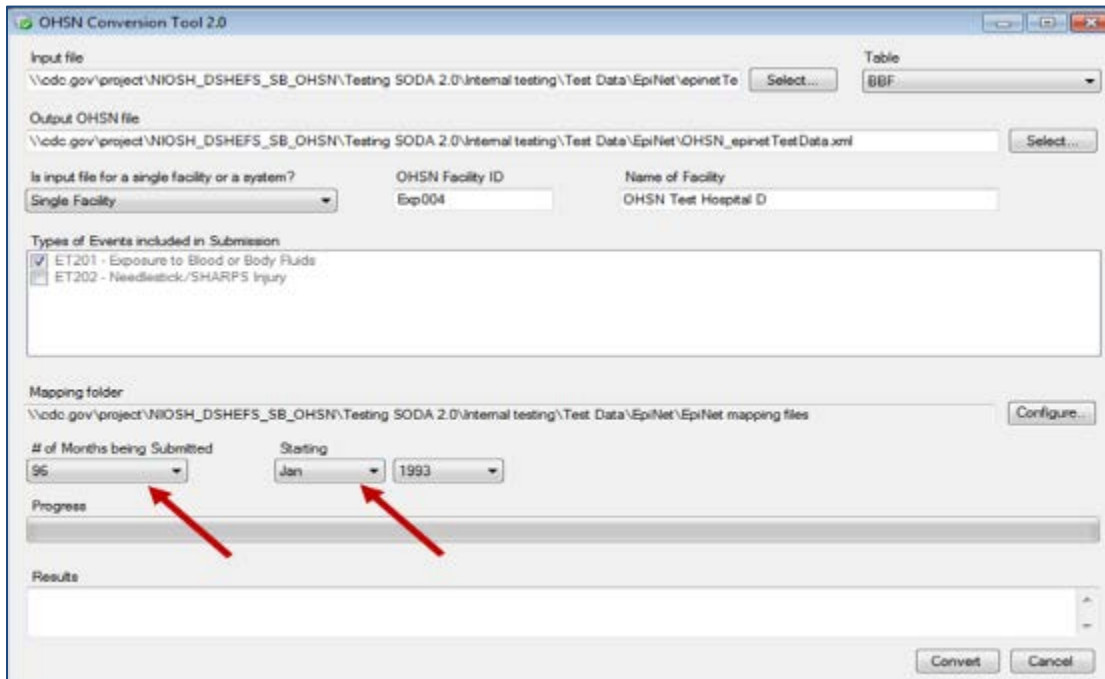
Click the **Edit** button.



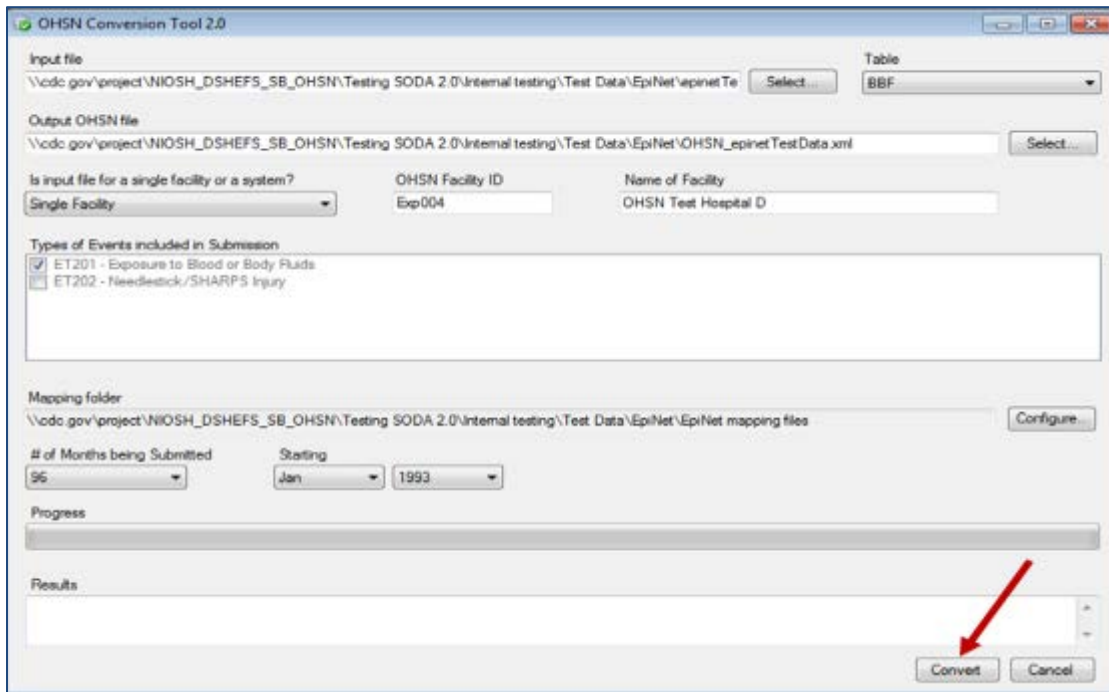
Map the unique facility department values to OHSN standard department codes by selecting from the dropdown menu under the OHSN Mapping column. Click the Save button when finished.



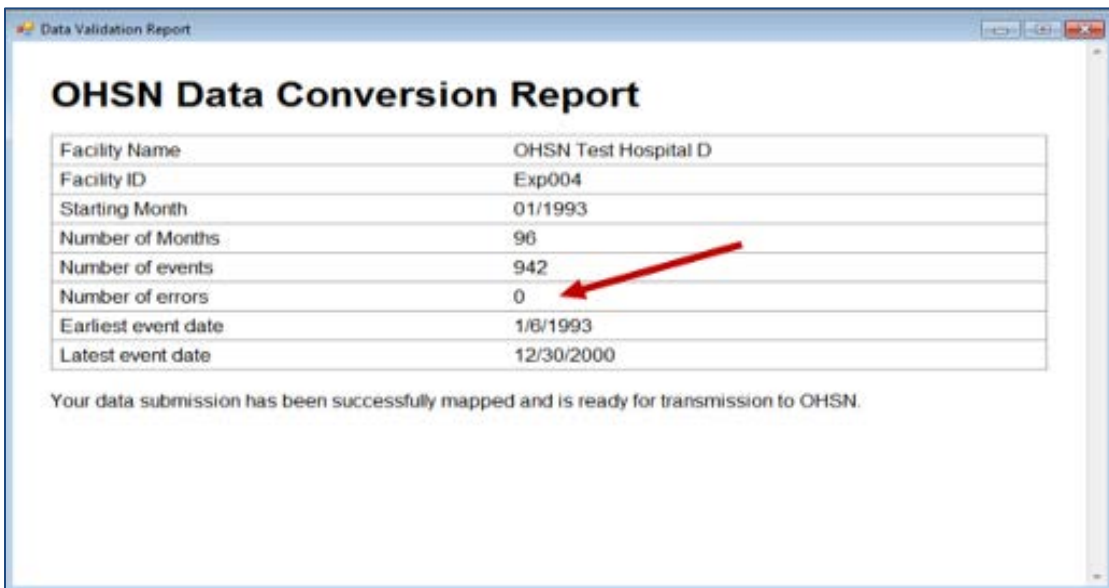
Select the number of months of data being submitted and the starting date.



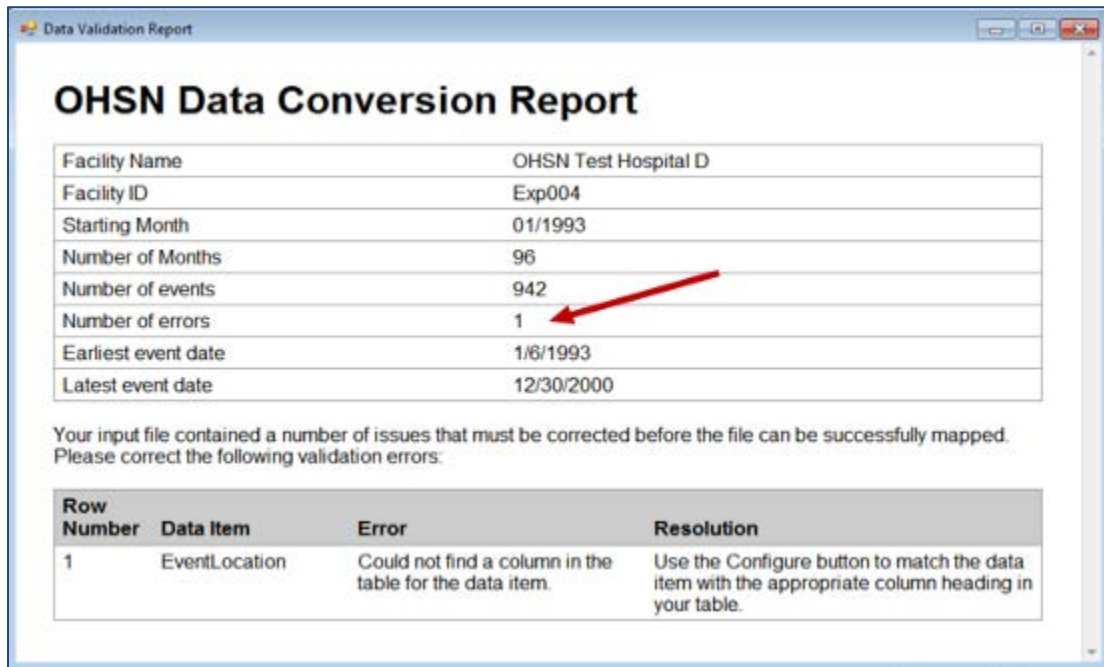
To begin the conversion process, click the **Convert** button.



If there are no errors in data mapping, then a Data Validation Report will appear next.

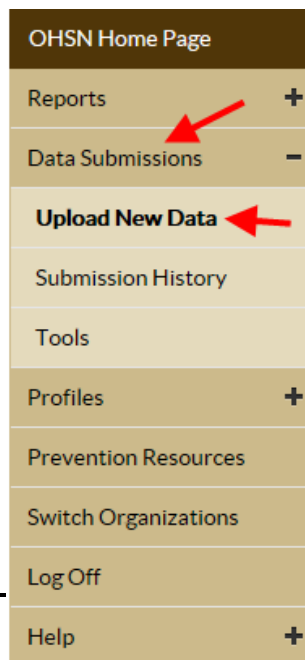


If there are errors in data mapping, the Data Validation Report will provide you a list of errors that need to be addressed.



## 10 DATA SUBMISSIONS

Once a standard OHSN .xml file has been created it can be uploaded to the OHSN system. To upload a file, click the **Data Submissions** menu item on the OHSN main menu, then click the **Upload New Data** menu item.





The **Upload New Data** screen will appear as shown below.

Occupational Health Safety Network (OHSN)

OHSN Home Page  
Reports +  
Data Submissions -  
**Upload New Data**  
Submission History  
Tools  
Profiles +  
Prevention Resources  
Switch Organizations  
Log Off  
Help +

Providing National and World Leadership to Prevent Workplace Illnesses and Injuries / **NIOSH**

CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Data Submissions

### Upload New Data

#### Anytown Hospital A (6000010)

Use the Browse button to select the data submission file that you want to upload. Once you have selected your file click on the Upload File button to start the upload process.

OHSN SODA XML File

Use the **Browse** button to locate and select the file to be uploaded. The default name for your output file will have *OHSN\_ (original file name)*, and will be listed as an XML document. Once the file is selected, click the **Upload File** button to upload the file to OHSN.

After clicking the **Upload File** button, the following screen will appear:

Occupational Health Safety Network (OHSN)

OHSN Home Page  
Reports +  
Data Submissions -  
**Upload New Data**  
Submission History  
Tools  
Profiles +  
Prevention Resources  
Switch Organizations  
Log Off  
Help +

Providing National and World Leadership to Prevent Workplace Illnesses and Injuries / **NIOSH**

CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Data Submissions

### Upload New Data

#### Anytown Hospital A (6000010)

Your data has been successfully validated and will be added to OHSN during the next scheduled import. Visit the [Submission History](#) page to check the status of your submission.

Click the **Submission History** page to confirm the file was uploaded and is awaiting NIOSH quality control. You can also check **Submission History** in the OHSN menu to view a history of all submissions to OHSN.

**Occupational Health Safety Network (OHSN)**

Providing National and World Leadership to Prevent Workplace Illnesses and Injuries **NIOSH**

Navigation Menu:

- OHSN Home Page
- Reports +
- Data Submissions -
- Upload New Data
- Submission History** ←
- Tools
- Profiles +
- Prevention Resources
- Switch Organizations
- Log Off
- Help +

Breadcrumbs: CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Data Submissions

### Data Submission History

#### Anytown Hospital A (6000010)

Reporting Period	Event Types	Event Count	Submission Type	Submitted On	Submitted By	Status
2/1/2016 - 2/29/2016						To Be Uploaded
12/1/2014 - 1/31/2016	OTHER-TL, BBF/SHARPS, OTHER-EXP					To Be Uploaded
1/1/2016 - 1/31/2016	STF, PHM, WPV, CONTACT, MSD-NOT PHM, TRANSPORT, BBF, SHARPS, OTHER-BIO, PHY-CHEM, FIRE, OTHER	6	Facility	3/23/2016	nioshohsn@cdc.gov	Awaiting NIOSH Review

### If you are not submitting data for a particular time period

OHSN requires at least 6 months of data to be submitted during a 12 month period to be considered an active module participants. There are two situations in which you may not be submitting data in a given time period:

1. If you had no injury events during that period: The Drop Down box under the Status Bar includes an option for **No Events Occurred**. *It is important to document that no events occurred at your facility(s) because it could be an indication that your interventions are working.*
2. If you cannot submit data in that period: The Drop Down box under the Status column includes an option for **Not Participating**.

## 11 REPORTS

One of the major benefits of OHSN is its ability to give you real-time feedback on your facility's or healthcare system's occupational injury and illness data. OHSN is based on continuous data translation – as data are submitted monthly, they become part of your facility's ongoing confidential record. For this reason, it's important that you upload your facility or system data monthly to better monitor injuries and illnesses. You can look at the data by event type, event location, job category, severity, and other factors. And you can obtain this information 24 hours a day and generate the information in a variety of ways to better assess your injury and illness rates, both current and historical.

Four types of reports are available in OHSN.

Report Type	Description	Accessible by
<b>My Facility Reports</b>	Display the data you have uploaded for your facility.	<ul style="list-style-type: none"><li>• Facility Admins</li><li>• Facility Report Users</li></ul> <p><i>If facility is part of a healthcare system:</i></p> <ul style="list-style-type: none"><li>• System Admins</li><li>• System Report Users</li></ul>
<b>My System Reports</b>	Display aggregate data uploaded for your system.	<ul style="list-style-type: none"><li>• System Admins</li><li>• System Report Users</li></ul>
<b>OHSN Averages &amp; Percentiles</b>	Display aggregate data only for all OHSN participants, including rate, pooled mean, and percentile rates.	<ul style="list-style-type: none"><li>• Facility Admins</li><li>• Facility Report Users</li></ul> <p><i>If facility is part of a healthcare system:</i></p> <ul style="list-style-type: none"><li>• System Admins</li><li>• System Report Users</li></ul>

### 11.1 Reports for a Single Facility

Facility Administrators and Facility Report Users have access to reports that summarize facility-level data. Once you have uploaded data and it's ready to analyze, you can run a report. To access the reports, click on the **Reports** menu item from the OHSN main menu and then click

---

the **My Facility** option to view reports. Doing so prompts a selection menu where the user can create a custom report.

**Occupational Health Safety Network (OHSN)**

OHSN Home Page

Reports ←

**My Facility** ←

How Do I Compare?

OHSN Averages & Percentiles

Data Submissions +

Profiles +

Prevention Resources

Switch Organizations

Log Off

Help +

Providing National and World Leadership to Prevent Workplace Illnesses and Injuries **NIOSH**

CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Reports

### Facility Report

Anytown Hospital A (6000010)

Report Topic: Common Report Topics (select one below)

Event Type: [Dropdown]

Facilities: My facility

Level of Detail: Low

Display Order: Standard

Incidence Rate/Count: Licensed Bed-Months

Reporting Period: Jan 2014, Jan 2016

#### Filtering Options

Event Type: (All Incidents)

Occupation: (All occupations)

Event Location: (All event locations)

Event Severity: (All severities)

Other Filter: (None selected)

**View Report** **View Data** **Reset Report**

For More Reporting Options See [Predefined Facility Reports](#)

### 11.1.1 Facility Reports

The **My Facility** reports screen contains the option to create customized reports about your facility. The custom reports provide graphic output for any selection you choose.

**Overview Reports by**

- Event Type
- Occupation
- Event Location
- Event Severity
- Worker Age
- Events by Year
- Events by Month
- Facility

**Module-Specific Reports by**

- Injury Source for Slip, Trip and/or Fall events
- Activity for Patient Handling events
- Contributing Factors for Workplace Violence events
- Exposure Stage of Use for Sharps events
- Exposure Route for Blood and Body Fluid Exposure
- 

You can customize the graphs to meet your individual facility needs:

- By hospital type (including children's, general medical and surgical, acute long-term care, psychiatric, rehabilitation, surgical, other adult specialty, a hospital unit of an institution, and alcohol or other chemical dependency facilities)
- By hospital size
- By occupation category (including 15 direct patient care job titles and three non-direct patient care job titles)
- By contributing factors (such as common activities related to patient handling/movement events and activities related to specific injuries)
- By department where the event took place
- By severity of injury

Below is an example of a request for a report that depicts the activity when needlesticks/sharps injuries occurred as reported between Jan 2014 and Dec 2015.

Occupational Health Safety Network (OHSN)

OHSN Home Page  
Reports  
**My Facility**  
How Do I Compare?  
OHSN Averages & Percentiles  
Data Submissions +  
Profiles +  
Prevention Resources  
Switch Organizations  
Log Off  
Help +

Providing National and World Leadership  
to Prevent Workplace Illnesses and Injuries **NIOSH**

CDC > NIOSH > Anytown Hospital A (6000010) > OHSN Home Page > Reports

### Facility Report

Anytown Hospital A (6000010)

Report Topic: Sharps Report Topics (select one below) [v]

Exposure Stage of Use (Sharps): [v]

Facilities: My facility [v]

Level of Detail: High [v]

Display Order: Highest Incidence Rates/Counts [v]

Incidence Rate/Count: Number of Incidents [v]

Reporting Period: Jan 2014 [v] Jan 2016 [v]

#### Filtering Options

Event Type: Needlestick/Sharps Injury [v]

Occupation: (All occupations) [v]

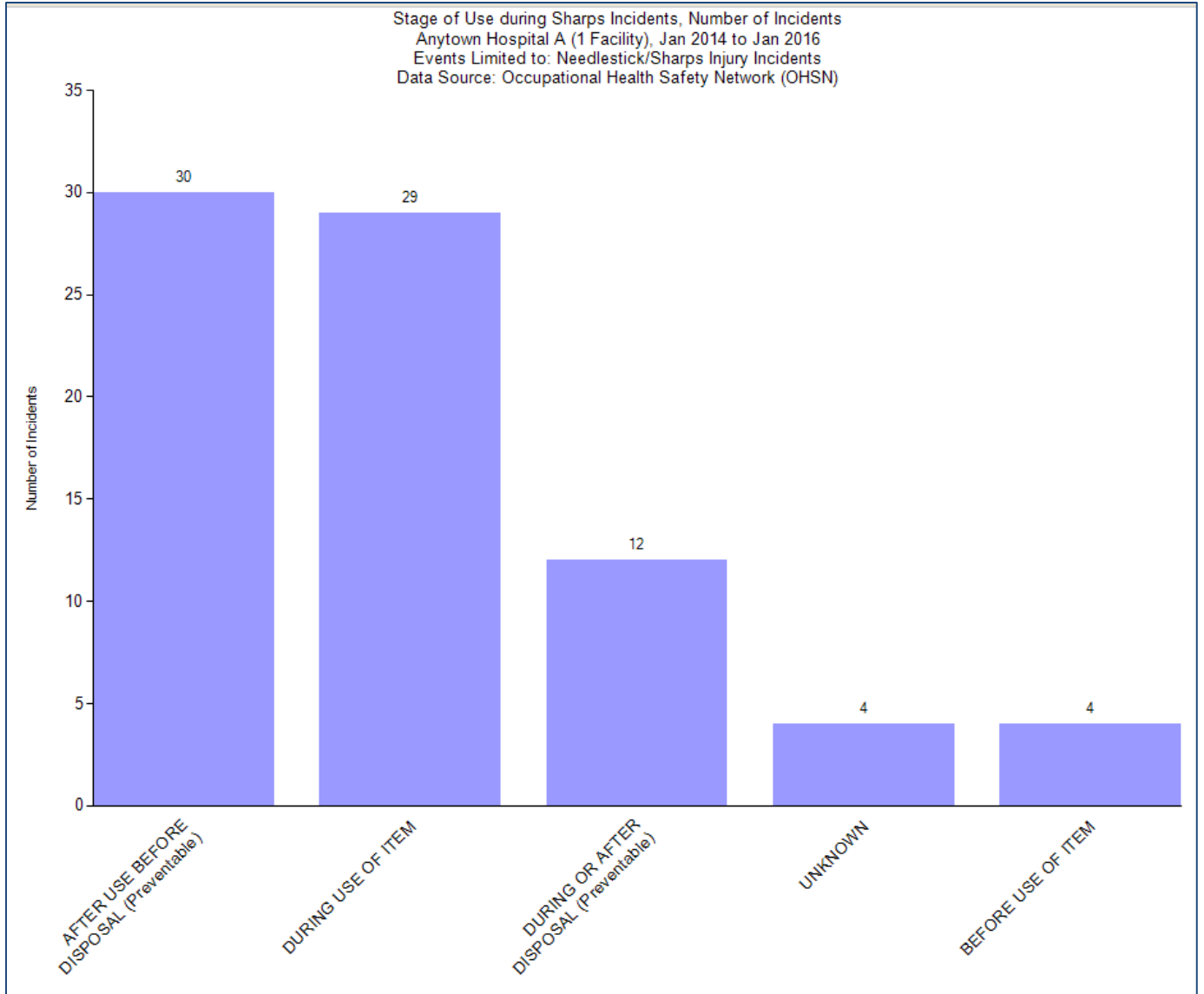
Event Location: (All event locations) [v]

Event Severity: (All severities) [v]

Other Filter: (None selected) [v]

**View Report** **View Data** **Reset Report**

Click the **View Report** button at the bottom of the Facility Report screen to see the report (example below).



Click the **View Data** button to view a table of the data entered into the graph (example below)

Export Data

**Title:** Stage of Use during Sharps Incidents  
**Facility Group:** Anytown Hospital A (1 facilities)  
**Denominator:** Number of Incidents  
**Reporting Period:** Jan 2014 to Jan 2016  
**Filter:** Needlestick/Sharps Injury Incidents

Description	Code	Number of Incidents	Denominator	Rate/Count/Etc.
AFTER USE BEFORE DISPOSAL (Preventable)	XSU30	30	1.00	30.00
DURING USE OF ITEM	XSU20	29	1.00	29.00
DURING OR AFTER DISPOSAL (Preventable)	XSU40	12	1.00	12.00
UNKNOWN	UNK	4	1.00	4.00
BEFORE USE OF ITEM	XSU10	4	1.00	4.00

Select **Export Data** in the upper left hand corner to begin export of your data into Excel Format.

Upon clicking the Export Data button, the download of a .csv file will begin. Select “Open” to view your data in an Excel sheet as shown below:



	A	B	C	D	E	F
1	Title: Stage of Use during Sharps Incidents					
2	Facility Group: Anytown Hospital A(1 facilities)					
3	Denominator: Number of Incidents					
4	Reporting Period: Jan 2014 to Jan 2016					
5	Filter: Needlestick/Sharps Injury Incidents					
6						
7	Descriptio	Code	Number o	Denomina	Rate/Count/Etc.	
8	AFTER USE	XSU30	30	1.00	30.00	
9	DURING U	XSU20	29	1.00	29.00	
10	DURING O	XSU40	12	1.00	12.00	
11	UNKNOW	UNK	4	1.00	4.00	
12	BEFORE U:	XSU10	4	1.00	4.00	
13						

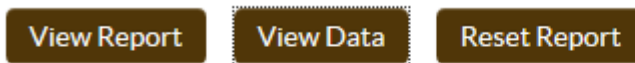



Click the **Reset Report** button at the bottom of the Facility Reports screen to reset all fields to their default values.



### 11.1.2 Predefined Facility Reports

The OHSN system provides several predefined reports that can be easily accessed by clicking the **Predefined Facility Reports** link at the bottom of the **My Facility** reports screen.






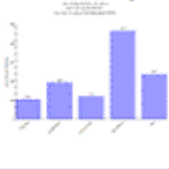
 [For More Reporting Options See Predefined Facility Reports](#)

Each of the predefined facility reports can be viewed in one of four different time periods. Data for the time period is composed of the last x number of months the facility submitted data:

- 1 month
- 3 months
- 12 months
- All months

Note that the facility may not have submitted data for *consecutive* months.

You may select either Overview Reports or Module Specific reports based on your needs.

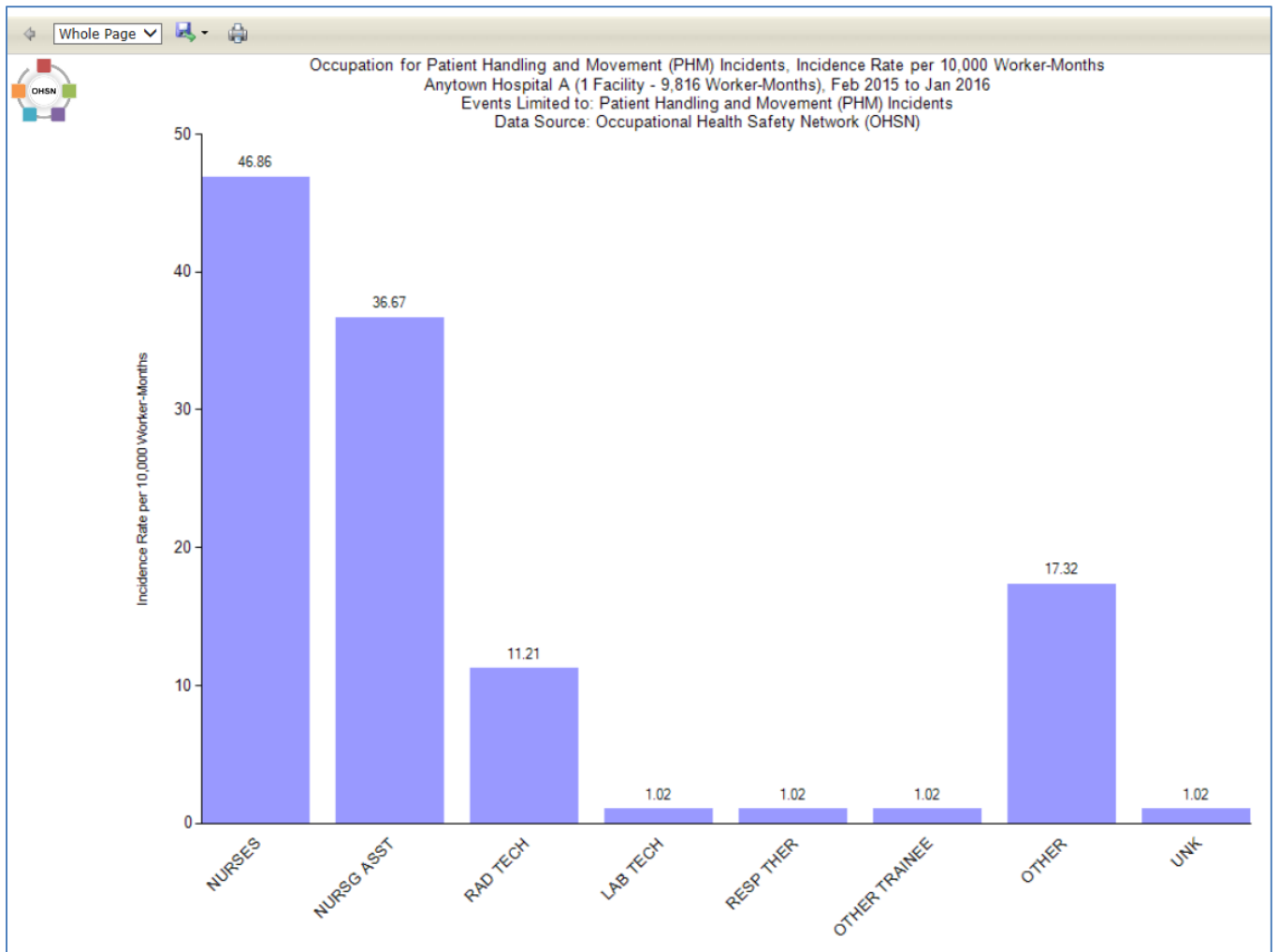
Overview Reports					
	Event Type for Traumatic Injury Modules Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Type for Exposure Modules Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Occupation for Patient Handling and Movement (PHM) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Occupation for Slips, Trips, and Falls (STF) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Occupation for Workplace Violence (WPV) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Occupation for Exposure to Blood or Body Fluids Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Occupation for Needlestick/Sharps Injury Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Location for Patient Handling and Movement (PHM) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Location for Slips, Trips, and Falls (STF) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Location for Workplace Violence (WPV) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Location for Exposure to Blood or Body Fluids Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Location for Needlestick/Sharps Injury Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Severity for Patient Handling and Movement (PHM) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Severity for Slips, Trips, and Falls (STF) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Severity for Workplace Violence (WPV) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Severity for Exposure to Blood or Body Fluids Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Event Severity for Needlestick/Sharps Injury Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>

Click on any of the report links ([1 month](#), [3 months](#), [12 months](#), [All months](#)) to display the associated report, see example below.

Module-Specific Reports					
	Activity for Patient Handling and Movement (PHM) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Injury Source for Slips, Trips, and Falls (STF) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Contributing Factor for Workplace Violence (WPV) Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Exposure Stage of Use for Needlestick/Sharps Injury Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Exposure Device Type for Needlestick/Sharps Injury Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Exposure Activity for Needlestick/Sharps Injury Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Sharps Exposure Preventability for Needlestick/Sharps Injury Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Exposure Route for Exposure to Blood or Body Fluids Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Exposure Contributing Factor for Exposure to Blood or Body Fluids Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	Exposure Source for Exposure to Blood or Body Fluids Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>
	BBF Exposure Preventability for Exposure to Blood or Body Fluids Incidents	<a href="#">1 month</a>	<a href="#">3 months</a>	<a href="#">12 months</a>	<a href="#">All months</a>

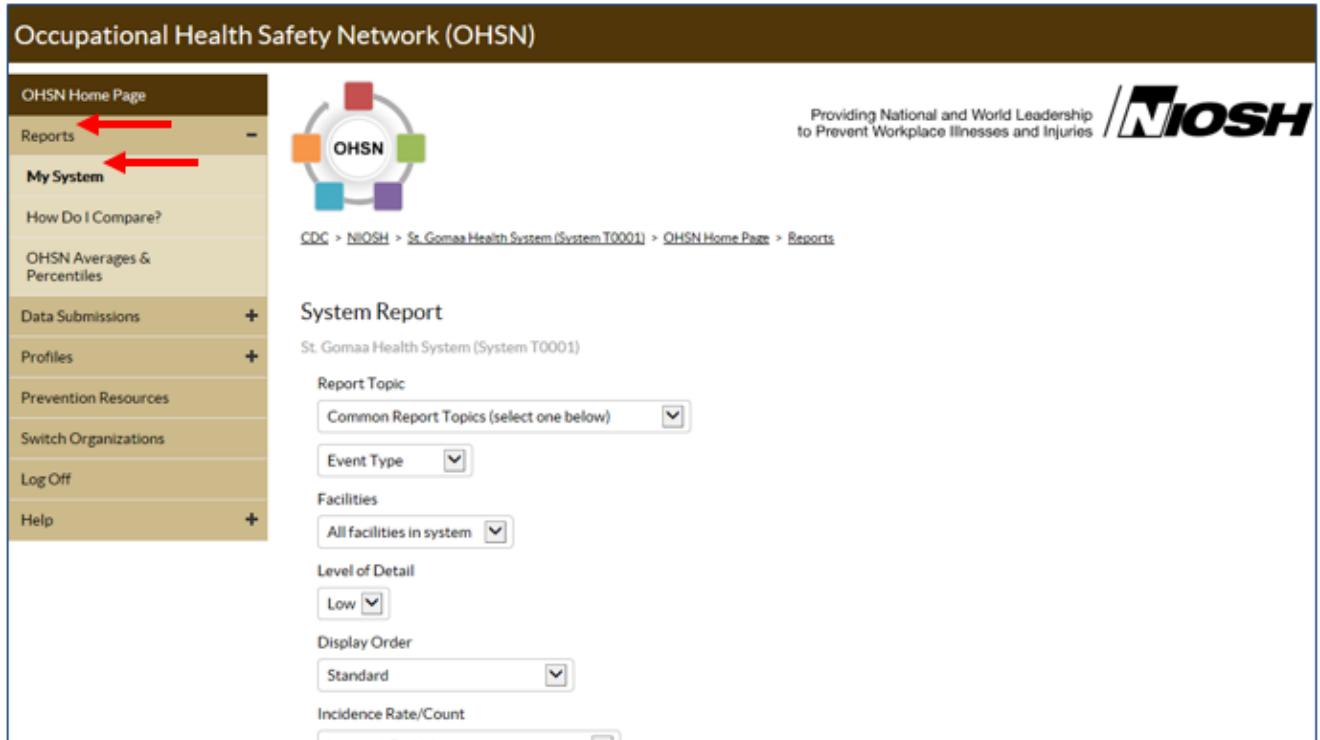
## Example of a Predefined Facility Report

Selection: Occupation for Patient Handling and Movement (PHM) 12 Months



## 11.2 Reports for Healthcare Systems

System Administrators and System Report Users have access to reports that summarize the healthcare system level data. To access the reports, click on the **Reports** menu item from the OHSN main menu, then click the **My System** option.



The **My System** reports screen provides several options to view the healthcare system level data. Click on any of the drop-down lists to view the detailed options for each reporting variable. System Administrators and Report Users can also use the advanced reporting option built-in to this page to generate more detailed reports about their healthcare system.

The system report below is an example showing the total number of Needlestick/Sharps incidents by event location for all the facilities within a sample health system:

CDC > NIOSH > St. Gomma Health System (System T0001) > OHSN Home Page > Reports

### System Report

St. Gomma Health System (System T0001)

Report Topic  
Common Report Topics (select one below) [v]

Event Location [v] ←

Facilities  
All facilities in system [v]

Level of Detail  
High [v] ←

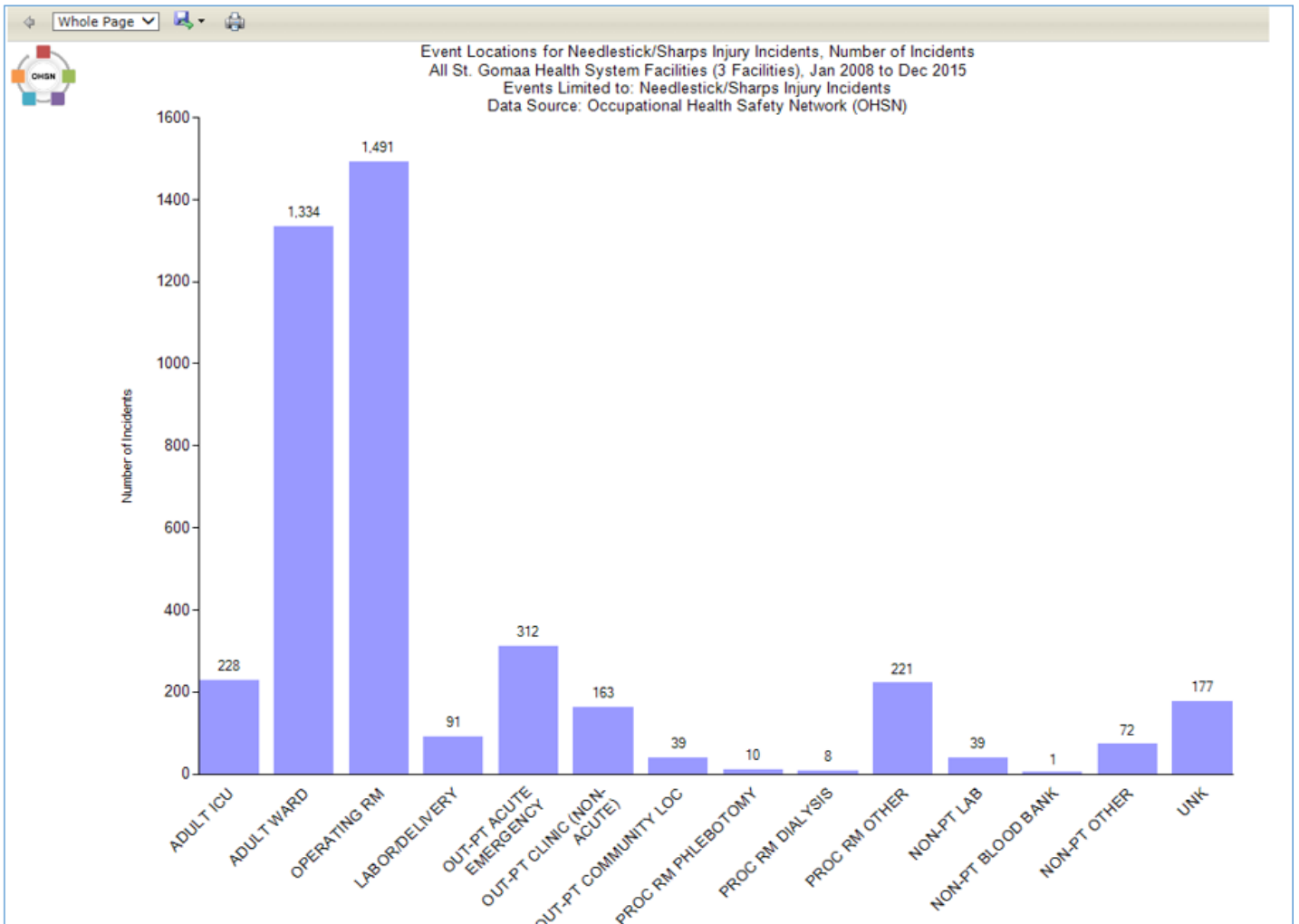
Display Order  
Standard [v]

Incidence Rate/Count  
Number of Incidents [v] ←

Reporting Period  
Jan 2008 [v] Dec 2015 [v] ← [icon]

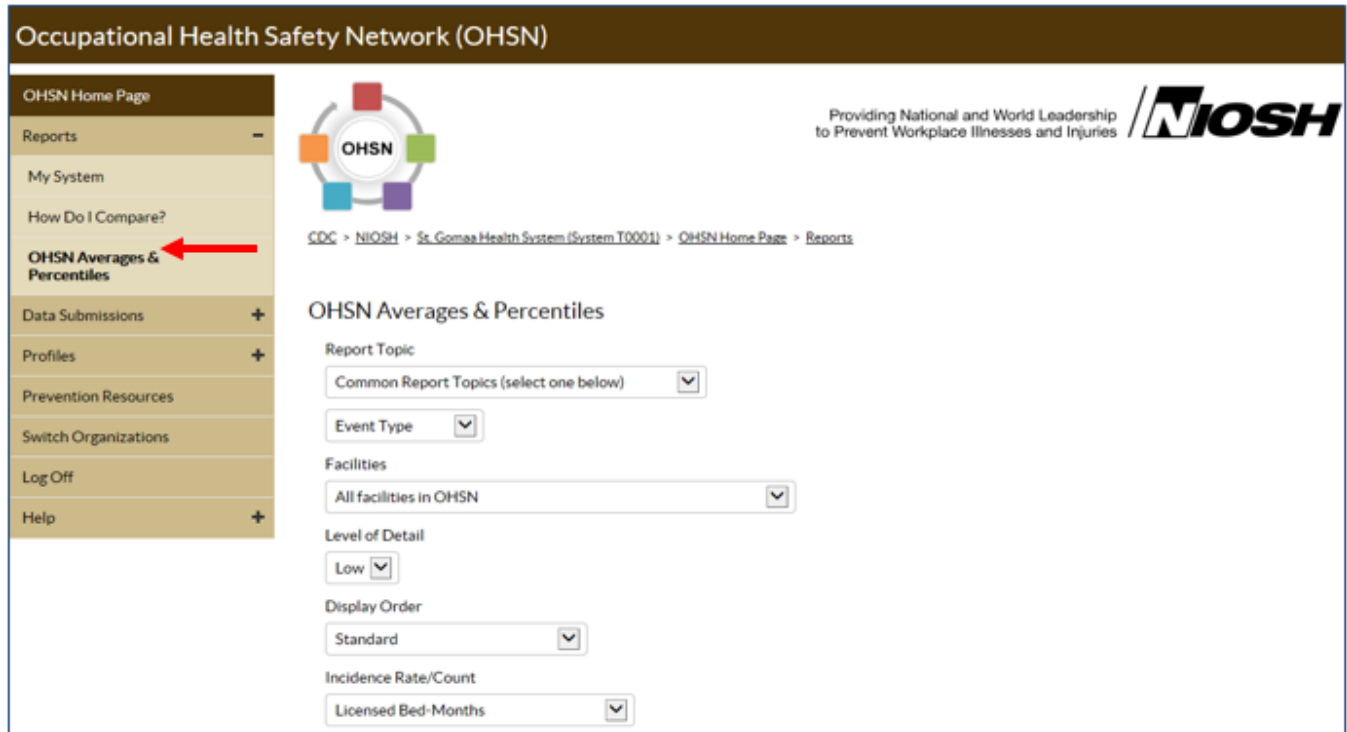
**Filtering Options**

Event Type  
(All Incidents) [v]



## 11.3 OHSN Averages & Percentiles Reports

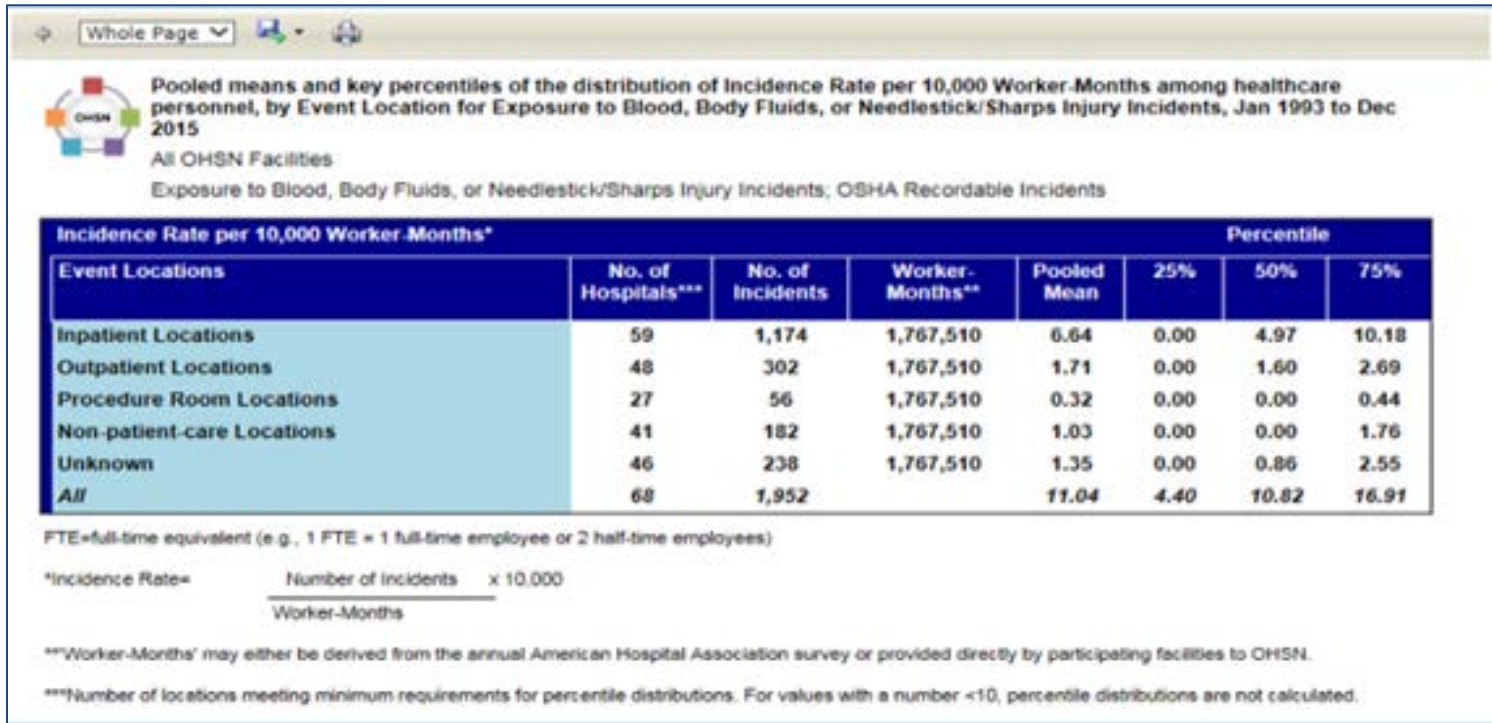
Click the **OHSN Averages & Percentiles** option from the OHSN **Reports** menu to view report options that show summaries of all the data in OHSN.



Similar to the **My System**, reporting options can be selected based on your facility or system's need.

The OHSN Averages & Percentiles reporting options also allow for selection from a set of standard reports for the data submissions for 1 month, 3 month, 12 months or all months.

Below is an example of one standard report selecting 12 months of averages and percentiles for all OHSN participating facilities on Event Location of Patient Handling and Movement, All OSHA-Recordable:



- Worker-months refer to the number of full-time equivalent workers at a facility (or group of facilities) multiplied by the number of months worked within the reporting period. For example, a facility with 1,000 full-time equivalent workers has 12,000 worker-months in a 12-month reporting period.
- Pooled Mean refers to the number of incidences divided by 10,000 worker-months. Using the above example, if the incidence rate for inpatient locations in your facility is 6.00 and the pooled mean value is 6.64, then that means your incidence rate is less than for all OHSN facilities on average.
- Percentile is way of evaluating of where your facility stands when compared to all OHSN participating facilities. Using the above example, if the incidence rate for inpatient locations in your facility is 6.00 and the 50% percentile value is 4.97, then that means at least half of all OHSN facilities have an incidence rate less than your facility.



## 12 HELP AND USER SUPPORT

OHSN provides several resources for users to obtain help and support. Click on the **Help** menu item on the OHSN menu to view these resources.

### 12.1 OHSN User Documentation

In addition to this OHSN User Manual, the OHSN website contains training guides and other tools to aid users of the OHSN system: <http://www.cdc.gov/niosh/topics/ohsn/documentation.html>

### 12.2 Contact Us / Providing Feedback

To provide feedback on OHSN system performance and/or ask questions regarding the system functionality, click on the **Contact Us / Feedback** item under the **Help** menu item of the OHSN menu. The screen below will appear, allowing you to send a comment or question to NIOSH.

Occupational Health Safety Network (OHSN)

OHSN Home Page

Reports +

Data Submissions +

Profiles +

Prevention Resources

Switch Organizations

Log Off

Help ← -

OHSN Rules of Behavior

User Documentation

Contact Us / Feedback ←

OHSN Topic Page

FAQ

About OHSN

Providing National and World Leadership  
to Prevent Workplace Illnesses and Injuries

**NIOSH**

CDC > NIOSH > St. Goma Health System (System T0001) > OHSN Home Page > Help

### Contact Us / Feedback

Your Email Address

System Feature

OHSN Home Page / Dashboard

Comment

Submit Feedback ←

To submit a question or comment to OHSN support

1. In the drop-down list under **System Feature**, select the appropriate feature that applies to your comment.
2. Enter the question or comment. (Required)

3. Click **Submit Feedback** button.

After you click the **Submit Feedback** button, your comment/question will be sent to the NIOSH OHSN System Administrators who will respond as soon as possible.

## 12.3 Frequently Asked Questions (FAQ)

NIOSH provides a list of frequently asked questions (FAQ) to help communicate resolutions to common issues. To view the FAQ page, click on the **FAQ** menu item under the **Help** menu.

## 12.4 About OHSN

This screen provides the OHSN system version number and date of current release and the CDC disclaimer for using the product.

Click the **About OHSN** option from the **Help** menu to view the contents of this screen.

The screenshot shows the OHSN web application interface. At the top, it says "Occupational Health Safety Network (OHSN)". On the left is a navigation menu with items like "OHSN Home Page", "Reports", "Data Submissions", "Profiles", "Prevention Resources", "Switch Organizations", "Log Off", "Help", "OHSN Rules of Behavior", "User Documentation", "Contact Us / Feedback", "OHSN Topic Page", "FAQ", and "About OHSN". A red arrow points to the "About OHSN" item. The main content area includes the OHSN logo, the NIOSH logo with the tagline "Providing National and World Leadership to Prevent Workplace Illnesses and Injuries", a breadcrumb trail "CDC > NIOSH > St. Gomma Health System (System T0001) > OHSN Home Page > Help", a "Disclaimer" section with legal text, and a "System Information" table.

System Information	
Application Version	1.0.0 Build 33
Database Version	2.0
Environment	Production

## **APPENDIX A – GLOSSARY**

AHA – the American Hospital Association

AHA Number – the ID assigned by the American Hospital Association

Aggregate – collected from different sources and considered as a whole

Bed-months – calculated by multiplying the number of facility beds by the number of months that the facility participates in OHSN during the selected period.

BLS – Bureau of Labor Statistics

CDC – Centers for Disease Control and Prevention

Dashboard – a visual display of important information

Denominator data – information on healthcare facilities, including number of licensed beds, admissions per month, outpatient encounters per month, and full-time employees by occupational category

Event – in OHSN Data Elements, refers to the incident. Event types fall into three categories: Slips, Trips and Falls; Patient Handling/Movement; and Workplace Violence

Facility ID – a unique identifier for the facility; American Hospital Association IDs are preferred

FAQ – Frequently Asked Questions

FTE – Full Time Equivalent

Healthcare System – an organization made up of two or more healthcare facilities

Healthcare Facility -- an individual hospital or other entity providing health services

Home Page – the primary web page of a website or application

Incidence Rate – a measure of the speed or frequency with which an event or circumstance occurs per unit of time, population, or other standard of comparison

Mapping Data – the "matching" between a source and a target database which contain the same data elements but call them by different names. This matching enables software and systems to meaningfully exchange information. OHSN provides a Mapping Tool to match data in a facility's value list to the OHSN value list.

NIOSH – National Institute for Occupational Safety and Health

NHSN – National Healthcare Safety Network (CDC)

OHSN – Occupational Health Safety Network

OHSN Module – a unit in OHSN; OHSN includes three Traumatic Injury modules: Slips, Trips, and Falls; Patient Handling and Movement; and Workplace Violence, and two Exposure modules: Blood and Body Fluid Exposures; and Sharps Injuries Exposures

Report User – one of the roles assigned to OHSN users by a System/Facility Administrator. Facility Report users can create and view reports for the facility. They cannot upload or edit information about the facility or add, modify or delete users. System Report Users can create and view reports for one or more facilities within the system based on permissions given by the System Administrators. System Report Users cannot upload or edit information, or add, modify or delete users.

System Administrator - one of the user roles in OHSN. System Administrators have all access rights to the data and user information within their facility and/or system (if part of a system).

NIOSH System Administrator – NIOSH staff who oversee and manager the OHSN system

Upload - sending data from a local system to a remote system such as a server or another client with the intent that the remote system should store a copy of the data being transferred.

User – a person who will interact with a system (directly or indirectly); also called end user

User Account – the mechanism used to authenticate a user to a system. It allows the user to have authorized access to a system and to control access to that system’s features

User Interface – all of the ways by which users interact with a system, machine, device, computer program or other complex tool

XML – Extensible Markup Language, a web programming language

## APPENDIX B – REFERENCES

1. NIOSH Occupational Health Safety Network (OHSN), <http://www.cdc.gov/niosh/topics/ohsn/> , last viewed 5/1/2016
2. The National Occupational Research Agenda (NORA), National Healthcare and Social Assistance Agenda, <http://www.cdc.gov/niosh/nora/comment/agendas/hlthcaresocassist/>, last viewed 5/1/2016
3. CDC National Healthcare Safety Network (NHSN), <http://www.cdc.gov/nhsn/> , last viewed 5/1/2016