Leapfrog and NHSN Town Hall Call

Reporting to the OPC and the Leapfrog ASC Survey

February 25, 2019
12:30-1:30pm EST
Agenda

• Introductions
• 2019 Leapfrog Ambulatory Surgery Center (ASC) Survey
• Joining Leapfrog’s NHSN Group for ASCs
• How Leapfrog Uses NHSN Data
• Leapfrog Town Hall Calls
• NHSN OPC ASC Overview and Demonstration
Introductions

The Leapfrog Group

Missy Danforth
Vice President of Health Care Ratings

NHSN

David Jordan, NHSN User Support Team*
Lea Jordan, NHSN User Support Team†
Tara Millson, Infection Prevention Consultant, CDC*
Henrietta Smith, Nurse Infection Preventionist, CDC‡

* CACI International Inc.
† Leidos | Health Solutions
‡ Northrop Grumman Corporation
Leapfrog ASC Survey

- Leapfrog launching new ASC Survey on April 1, 2019

- Survey will consist of 5 Sections
  - Section 1: Basic Facility Information
  - Section 2: Medical, Surgical, and Clinical Staff
  - Section 3: Volume and Safety of Procedures
  - Section 4: Patient Safety Practices
  - Section 5: Patient Experience

- Section 4B will include data pulled from NHSN OPC Modules
Joining Leapfrog’s NHSN Group for ASCs

• All ASCs required to join Leapfrog’s NHSN Group for ASCs (Group ID: 57193)
  • One of two options to authenticate center and obtain a security code to access the Survey
  • Allow Leapfrog to pull data on:
    - Same day outcome measures: patient burns, falls, “wrong” event, and all-cause hospital transfer/admission
    - Surgical Site Infections: all infections, but specifically breast surgery (BRST), laminectomy (LAM), herniorrhaphy (HER), and knee prosthesis (KPRO)
  • Instructions and deadlines available at: http://www.leapfroggroup.org/asc-survey-materials/join-asc-nhsn-group
How Leapfrog will use NHSN data

• Leapfrog will not score Survey responses or publicly report individual ASC Survey Results in 2019.

• Data will be used in aggregate in national reports and individual ASC Benchmarking Reports.

• In 2019, NHSN data will be available for ASCs on the ASC Details Page via the individual ASC Benchmarking Reports in September and February.

• In order to have NHSN data included in the first ASC Benchmarking Report of 2019, you must:
  1. Join Leapfrog’s NHSN Group for ASCs by the “Join by” dates listed on the website
  2. Enter a valid NHSN ID in the Profile Section of the 2019 Leapfrog ASC Survey, and
  3. Complete, affirm, and submit the 2019 Leapfrog ASC Survey by June 30
Leapfrog ASC Survey Town Hall Calls

Topics:

• How to request a Security Code
• How to navigate the Online Survey Tool
• Important deadlines
• An overview of the Survey content
• Information on how results will be used and verified for accuracy
• 20 minutes for Q&A

Dates:

• **Wednesday, March 27 at 2-3 PM ET.**
  Register at: [https://leapfroggroup.zoom.us/webinar/register/ WN_Ju3DZCPTRBOUkDbR7SBjDQ](https://leapfroggroup.zoom.us/webinar/register/ WN_Ju3DZCPTRBOUkDbR7SBjDQ)

• **Tuesday, April 23 at 2-3 PM ET.**
  Register at: [https://leapfroggroup.zoom.us/webinar/register/ WN_ZX0ycY3gS36qep1VTCZUXQ](https://leapfroggroup.zoom.us/webinar/register/ WN_ZX0ycY3gS36qep1VTCZUXQ)

• Additional Town Hall Call in May - TBD

Note: ASCs that operate under the CMS certification of a hospital should report to the Leapfrog Hospital Survey and participate in the [Hospital Survey Town Hall Calls](https://leapfroggroup.zoom.us/webinar/register/ WN_Ju3DZCPTRBOUkDbR7SBjDQ).
NHSN

Reporting to the Outpatient Procedure Component (OPC) Module
NHSN Outpatient Procedure Component (OPC) Enrollment, Groups & Reporting Criteria

Centers for Disease Control and Prevention
National Center for Emerging and Zoonotic Infectious Diseases
Division of Healthcare Quality Promotion
National Healthcare Safety Network

Presenters:
David Jordan*
Lea Jordan†
Tara Millson*, DNP, RN, CIC
Henrietta Smith‡, MSN, RN, CIC

* CACI International Inc.
† Leidos | Health Solutions
‡ Northrop Grumman Corporation
Learning Objectives

By the end of the webinar, the participants will be able to:

- Describe the five key steps of the enrollment process
- Explain the major elements of the NHSN Group function and how a facility may join a Group
- Describe the various elements within the two protocols such as the reporting requirements and event criteria.
- Locate the resources on the OPC webpage to assist with accurately performing surveillance for surgical site infections (SSI) and same-day outcome measures (SDOM).
NHSN Enrollment

David Jordan
Key Personnel Roles

- Facility Administrator - the person enrolling the facility in NHSN

**NOTE:** The NHSN Facility Administrator may not be the Administrator at your facility

The Facility Administrator:
- Manages users and user rights
- Manages locations and patients
- Can add, edit & delete facility data
- Authority to nominate groups (data sharing arrangements)
- An NHSN Facility Administrator will have this role for every component

**NOTE:** Only the Facility Administrator can reassign their role to another user
Key Personnel Roles

- **NHSN User**
  - Rights are determined by Facility Administrator
    - View data
    - Data entry
    - Data analysis
  - May be given administrative rights
    - This gives the new user the right to view, enter, and analyze data, but also to add locations, surgeons, and other users.
  - One person may hold multiple roles
NHSN Enrollment
Steps 1-5

☑ There may be multiple tasks within each step.

☑ Each step should be completed in its entirety.

- **Step 1**: Enrollment Preparation
- **Step 2**: Complete NHSN Registration
  - Receive “Welcome to NHSN” email
- **Step 3**: Secure Access Management Registration (SAMS)
  - Provide Identity Proofing Documentation
- **Step 4**: Submit Enrollment Forms Electronically
  - Receive “NHSN Facility Enrollment Submitted” email
- **Step 5**: Sign Consent Form Electronically
  - Receive “NHSN Enrollment Approved” email
Step 1 – Enrollment Preparation

- Review all training materials before beginning enrollment

- Training requirements are listed on the NHSN Training Website: http://www.cdc.gov/nhsn/training/
Step 2- Complete NHSN Registration

On NHSN website, click **New to NHSN?**
**Enroll Facility Here** button.
Located at [https://www.cdc.gov/nhsn](https://www.cdc.gov/nhsn)
Step 2 – Complete NHSN Registration

Click **Agree** button to agree to the Facility/Group Administrator Rules of Behavior
Step 2 – Complete NHSN Registration

Facility Administrator completes this form:

- You must use the same email address for all enrollment steps
- Please ensure that you enter your email address correctly, as all subsequent emails will come to this address
- If your Facility Identifier does not validate, you can request a CDC Registration ID by emailing nhsn@cdc.gov
- Click Submit button once it is complete
Step 2 – Complete NHSN Registration

Following successful registration, you will immediately receive a welcome to NHSN email and an Invitation to Register with SAMS (step 3)
SAMS provides secure online access which allows exchange of information between CDC and Public Health Partners.

You will receive an invitation to register with SAMS, which provides instructions for registration, and identifies proofing in order to obtain access to CDC applications, including NHSN.

During registration you will set a password which expires every 60 days.

You will also be issued an electronic grid card which adds an additional level of security when logging into the system.

**NOTE:** Please remember to notate the answers to your security questions in the event that you need to reset your password.
Step 3 – SAMS Registration

- The Invitation to Register contains your Username and Password for SAMS registration
Step 3 – SAMS Registration

- After accepting the Rules of Behavior, enter the required registration information and click Submit.

![SAMS Registration Form](image.png)
Step 3 – SAMS Registration

- Carefully follow the instructions in the email to ensure the enrollment process is not delayed.

*Note:* This email will instruct you to submit your identity proofing documents via fax or upload. Please keep in mind that uploading the documents will offer the faster turnaround time.
Step 3 – SAMS Registration

- Once your identity documentation has been processed you will receive confirmation of approval for SAMS access.

- You will also be issued an electronic grid card which is used when logging into the system along with your username and password.

- Grid card is received at your home address via USPS. Please be sure not to use your facility address.

**Note**: The option to log in using only your username and password only provides Level 2 security access. In order to gain Level 3 access, which is necessary for NHSN use, you must use your grid card.
Step 4 – Access/Complete Enrollment Forms

- After logging into SAMS using your SAMS grid card, click on NHSN Enrollment.
Step 4 – Access/Complete Enrollment Forms

- Select “Access and Print required enrollment forms”
Step 4 – Access/Complete Enrollment Forms

- Print required forms listed under the component you are enrolling in, which will be submitted electronically in the next step.

<table>
<thead>
<tr>
<th>Facility Enrollment Forms</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Patient Safety Component</strong></td>
</tr>
<tr>
<td>- Hospital applicants, print these:</td>
</tr>
<tr>
<td>- Facility Contact Information</td>
</tr>
<tr>
<td>- Facility Survey</td>
</tr>
<tr>
<td>- Inpatient Rehabilitation Facility, print these:</td>
</tr>
<tr>
<td>- Facility Contact Information</td>
</tr>
<tr>
<td>- Annual Facility Survey for IRF</td>
</tr>
<tr>
<td>- Long Term Acute Care Hospital, print these:</td>
</tr>
<tr>
<td>- Facility Contact Information</td>
</tr>
<tr>
<td>- Annual Facility Survey for LTAC</td>
</tr>
<tr>
<td><strong>Healthcare Personnel Safety Component</strong></td>
</tr>
<tr>
<td>- Any facility type, print these:</td>
</tr>
<tr>
<td>- Facility Contact Information</td>
</tr>
<tr>
<td>- Home Dialysis Facility, print these:</td>
</tr>
<tr>
<td>- Home Dialysis Center Practices Survey</td>
</tr>
<tr>
<td><strong>Biovigilance Component</strong></td>
</tr>
<tr>
<td>- Any facility type, print these:</td>
</tr>
<tr>
<td>- Facility Contact Information</td>
</tr>
<tr>
<td>- Acute-Care Facility, print these:</td>
</tr>
<tr>
<td>- Acute Care Facility Survey</td>
</tr>
<tr>
<td>- Non-Acute Care Facility, print these:</td>
</tr>
<tr>
<td>- Non-Acute Care Facility Survey</td>
</tr>
<tr>
<td><strong>Long Term Care Facility Component</strong></td>
</tr>
<tr>
<td>- Any facility type, print these:</td>
</tr>
<tr>
<td>- Facility Contact Information</td>
</tr>
<tr>
<td>- Facility Survey</td>
</tr>
<tr>
<td><strong>Dialysis Component</strong></td>
</tr>
<tr>
<td>- AMB-HEMO and AMB-PEDHEMO facilities, print these:</td>
</tr>
<tr>
<td>- Facility Contact Information</td>
</tr>
<tr>
<td>- Outpatient Dialysis Center Practices Survey</td>
</tr>
</tbody>
</table>

[Back]
Step 4 – Access/Complete Enrollment Forms

- While completing facility enrollment forms, please keep in mind that the person you list as the NHSN Facility Administrator, should be the same individual who has completed the previous enrollment steps (which includes SAMS registration).

- On the enrollment survey, facilities which have opened during the current calendar year should select the option “Not Operational in the Prior Calendar Year”. If the newly enrolled facility was opened, but had not enrolled into NHSN in the prior calendar year, that option should not be selected on the survey.

- The NHSN Facility Administrator is not to be confused with the facility’s administrator, CEO, COO, etc. This should be the person who will be mainly responsible for managing the NHSN facility.
Step 4 – Access/Complete Enrollment Forms

- After accessing, printing and completing required enrollment forms, select “Enroll a Facility”
- From here, complete Enrollment Step 4 in one session!

NOTE: You cannot save work in progress
Step 4 – Access/Complete Enrollment Forms

- Submit required form information
- Required fields are marked with an asterisk (*)
- Please enter your facility’s CCN as the identifier when completing the enrollment forms
- If you don’t have access to your CCN at the time of enrollment please select N/A and proceed using an NHSN Enrollment Number that you must request by emailing NHSN@CDC.GOV
Step 4- Access/Complete Enrollment Forms
Step 4 – Access/Complete Enrollment Forms

- Once required forms are submitted, confirmation message displays

- The Facility Administrator will immediately receive an “NHSN Facility Enrollment Submitted” email with a link to your consent form
  - If you do not receive this email, contact the NHSN Helpdesk at nhsn@cdc.gov
Step 5 – Sign Consent Electronically

- Agreement to Participate and Consent includes:
  - NHSN Purposes
  - Eligibility
  - Data collection and reporting requirements
  - Assurance of Confidentiality
Step 5 – Electronically Accept Consent Form

- The Facility Administrator and each component contact will receive an NHSN email, subject line “NHSN Patient Safety Component enrollment submitted” which provides instruction on the consent form process. * (The wording could be slightly different depending on the component/s that you are enrolling in)

- The consent form must be accepted within 60 days or the facility will be withdrawn

The following facility has been submitted for enrollment in the NHSN:

<table>
<thead>
<tr>
<th>Facility Name: AGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component:</td>
</tr>
<tr>
<td>Patient Safety</td>
</tr>
<tr>
<td>Tracking Number:</td>
</tr>
<tr>
<td>54358</td>
</tr>
</tbody>
</table>

NHSN Facility Administrator: Yvonne Smith XXXX@CDC.GOV
Component Primary Contact: Yvonne Smith XXXX@CDC.GOV

To activate this facility and component, the component's primary contact must accept the consent form within 60 days.

If you are listed above as the primary contact for this component, please log in to NHSN at https://sasns.cdc.gov and select NHSN Reporting to accept the Agreement to Participate and Consent form. The deadline to activate the component is 02/03/2018.

The facility will be withdrawn if none of the primary contacts accept the consent form by 02/03/2018.

If you have questions, please contact us at nhsm@cdc.gov. For information on the NHSN, please visit the member's web site at https://www.cdc.gov/nhsn.
Step 5 – Electronically Accept Consent Form

- Each component contact should follow the instructions of the email to login to the facility and accept/sign the agreement.
- Immediately after each component contact has accepted the form, the facility is active and that component is accessible. *If you have enrolled in multiple components, it is possible that only one may be active at a time if both contacts have not accepted the form.

- You may now log into NHSN and access your facility.

The following facility's component has completed the NHSN Agreement to Participate and Consent Form:

- **Facility Name:** The Wright Group Hospital
- **Component:** Patient Safety
- **Consent Date:** 10/25/2017
- **Facility ID:** 14920

**NHSN Facility Administrator:** Tiffany Dozier XXXX@CDC.GOV
**Component Primary Contact:** Yvonne Smith XXXX@CDC.GOV

The component has been activated and users may now log into NHSN and report data.

If you have questions about NHSN, please contact us at nhsn@cdc.gov. For information on the NHSN, please visit the member's web site at http://www.cdc.gov/nhsn.
Activating the Outpatient Procedure Component

- Click on Facility>Add/Edit Component on the left navigation bar
## Activating the Outpatient Procedure Component

You will be required to designate a contact for the component before being able to click update to save your change.

### Contact Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Contact Type</th>
<th>Contact Name</th>
<th>Phone No. ext</th>
<th>Email</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biologance</td>
<td>Facility Administrator</td>
<td>Arc. Joan</td>
<td>000-000-0000</td>
<td><a href="mailto:VSW3@CDC.GOV">VSW3@CDC.GOV</a></td>
<td>Reassign</td>
</tr>
<tr>
<td>Dialysis</td>
<td>Healthcare Personnel Primary Contact</td>
<td>Arc. Joan</td>
<td>000-000-0000</td>
<td><a href="mailto:VSW3@CDC.GOV">VSW3@CDC.GOV</a></td>
<td>Reassign</td>
</tr>
<tr>
<td>Outpatient Procedure</td>
<td>Healthcare Personnel Primary Contact</td>
<td>Arc. Joan</td>
<td>000-000-0000</td>
<td><a href="mailto:VSW3@CDC.GOV">VSW3@CDC.GOV</a></td>
<td>Reassign</td>
</tr>
</tbody>
</table>

### Components Followed

<table>
<thead>
<tr>
<th>Component</th>
<th>Followed/Followed</th>
<th>Activated</th>
<th>Deactivated</th>
<th>Agreement Accepted</th>
<th>View Agreement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biovigilance</td>
<td>☐</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dialysis</td>
<td>☐</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Healthcare Personnel Safety</td>
<td>☑</td>
<td></td>
<td></td>
<td></td>
<td>View Agreement</td>
</tr>
<tr>
<td>Long Term Care Facility</td>
<td>☐</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outpatient Procedure</td>
<td>☑</td>
<td>Y</td>
<td></td>
<td></td>
<td>View Agreement</td>
</tr>
<tr>
<td>Patient Safety</td>
<td>☐</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Facility: Y
Facility type: ☑ AMB-SURG - Outpatient Surgery Facility

Was this facility operational in the year prior to NHSN enrollment (i.e., last year)? ☑ YES ☐ NO

Status: A - Active

Click on the box next to the Outpatient Component.
Adding Users

- The Facility Administrator can add additional users to access NHSN
  - 1. Adding users is optional
  - 2. It is recommended that you add at least one additional user

- The Facility Administrator decides what rights each user has

- Once a new user is added, an email is automatically sent to their email address with instructions
  - 1. Each user requires their own SAMS credentials/grid card
  - 2. Each user must complete required training before using NHSN
Adding Users

From the NHSN navigation bar: Select ‘Users’, then select ‘Add’

☐ Enter user information
  1. Create a username
  2. The email address entered must be the same one used in SAMS
  3. Fill in all required fields, marked with an *

Click “Save” button to create the user
Adding Users
-Assigning user rights

NHSN - National Healthcare Safety Network

Add User Rights

User ID: LTEST (ID 414340)
Facility List: [Choose Facility]

Please add rights for the new user.

Rights | Patient Safety | Healthcare Personnel Safety | Biovigilance
--- | --- | --- | ---
Administrator | | | |
All Rights | ✔ | | |
Analyze Data | ✔ | | |
Add, Edit, Delete | ✔ | | |
View Data | ✔ | | |
Customize Rights | | | |

Effective Rights | Save | Back

Advanced
NHSN Group Function

Lea Jordan
What are NHSN Groups?

A Group is a collection of facilities that have joined together within the NHSN framework to share some or all of their data at a single (Group) level for a mutual purpose (e.g., performance improvement, state and/or public reporting).
Groups Overview

- The NHSN Group Function is the only mechanism by which NHSN data from multiple facilities can be viewed and analyzed in one place.

- Groups have accounts in NHSN separate from facilities.

- Groups in NHSN are protected with a joining password.

- The Group contacts potential member facilities by email with an invitation to join the Group.

- The invitation must include the Group’s NHSN ID and Joining Password.

- The Group may also include, in the invitation, a summary and reasoning for data elements, on the rights template.
Joining an NHSN Group

- **Facility View**

- You must have the Group’s ID number and joining password in order to join *(contact the group if you do not have these)*

- After receiving an invitation from the Group Administrator, an administrative-level user in the invited facility can enter the Group ID and joining password *(Group>Define Rights tab)*

- Enter the password exact, no extra spaces, watch your caps, etc. Copy and paste is recommended
  - Password is case sensitive
Joining an NHSN Group

- A warning message will pop up – facility user must read the message
- Facilities must click the OK button before they can proceed
Joining an NHSN Group

-Facility View

After the facility user enters the Group ID, the Joining Password, and clicks JOIN GROUP, they will be presented with the Group’s rights template for acceptance. (the data the group is requesting access to)

Example:

The ⚠️ icon indicates areas of the data rights template that are new to you. (or, for later use, items that have been modified by the group)
Joining an NHSN Group - Facility View

Events
Includes Applicable Denominators and "No Events" Indicators

<table>
<thead>
<tr>
<th>Plan</th>
<th>Month</th>
<th>Year</th>
<th>To</th>
<th>Month</th>
<th>Year</th>
<th>Event</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>In</td>
<td>January</td>
<td>2019</td>
<td></td>
<td></td>
<td></td>
<td>OFSSI - Surgical Site Infection</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Setting: OUT</td>
<td></td>
</tr>
<tr>
<td>In</td>
<td>January</td>
<td>2019</td>
<td></td>
<td></td>
<td></td>
<td>OPSDOM - Same Day Outcome Measures</td>
<td></td>
</tr>
<tr>
<td>In</td>
<td>January</td>
<td>2019</td>
<td></td>
<td></td>
<td></td>
<td>OPCUST - Custom OP Event</td>
<td></td>
</tr>
</tbody>
</table>

- Checked box indicates the relevant piece of data is being requested by the Group
- For events and denominators, the Group specifies criteria for plan status, time period, and event or denominator type (*facility cannot change these*)
- Any red ‘No locations meet criteria’ message means the facility has no mapped locations for the specific location that is requested
- The facility has the option to check the N/A box to the far right of each line item to exclude item’s data from being shared (*if you check, you may want to notify the group that you aren’t sharing specific data*)
Joining an NHSN Group

-Facility View

Once the facility has reviewed the rights template, navigate to the bottom of the template and click Accept. All data covered by the conferred rights are instantly accessible by Group users.

The Back button does not accept the template of rights – Group will not have access to any facility data.
After Joining a Group and Accepting Rights

**Am I done?**

- When the template is accepted, data sharing is complete
- The facility will be added to the list of Groups the facility belongs to on the Memberships screen
- The Group will be able to see which member facilities have or have not accepted rights

**Example:**

[Image of Memberships screen showing Conferred Rights saved successfully for group LB Test Group (44783).]

- Groups that have access to this facility’s data
  - LB Test Group (44783)
- Enter ID and Password for this facility to join a new group
  - Group ID:
  - Group Joining Password:

[Image of NHSN Home screen with links to Alerts, Reporting Plan, Patient, Event, Procedure, Summary Data, Import/Export, Surveys, Analysis, Users, Facility, Group, Logout.]
If a Group makes changes to the data rights they are requesting, the facility is notified immediately upon next log in to NHSN.

Facility can click on link under Group Name to view the updated data rights request and accept updated template or leave Group.

Facility should always contact the Group if uncertain who the group is or what is being requested.
Facility Options

- Facility can update locations being shared with Group, or view what is being shared, using the **Confer Rights** button.
- Facility can leave the Group and stop all data sharing using the **Leave Group** button.
Group Resources for Facilities

- You can find guidelines for creating and joining NHSN groups at the following link - http://www.cdc.gov/nhsn/group-users/index.html

- NHSN Help Desk email - nhsn@cdc.gov

- NHSN Home Page - https://www.cdc.gov/nhsn
Overview
Outpatient Procedure Component (OPC)
Tara Millson
Soliciting input on the NHSN OPC protocols

• NHSN is providing an opportunity for facilities, groups and individuals to identify issues and areas for potential improvement for consideration as CDC updates the Outpatient Procedure Component (OPC) protocols for 2020.

• The only format for submitting suggested modifications or comments for consideration is via the Federal Register, beginning Thursday February 14, 2019 through Monday April 15, 2019.

• The OPC protocols are found at the following location: https://www.cdc.gov/nhsn/ambulatory-surgery/index.html

For more information or to submit a comment, follow the instructions found at: https://s3.amazonaws.com/public-inspection.federalregister.gov/2019-01915.pdf.
Ambulatory Surgery Centers (ASCs)

ASC definition*

- Distinct entity that exclusively provides surgical services to patients not requiring hospitalization and admission/duration of services does not exceed 24 hour

*Code of Federal Regulations definition of an Ambulatory Surgery Center (ASC), 42 CFR § 416.2
Hospital Outpatient Department (HOPDs)

HOPD definition*

A location that provides outpatient hospital services, meaning preventive, diagnostic, therapeutic, rehabilitative, or palliative services that are furnished to outpatients:

- by an institution that is licensed or formally approved as a hospital
  and
- meets the requirements for participation in Medicare as a hospital

*Code of Federal Regulations definition of a Hospital Outpatient Department (HOPDs) 42 CFR 440.20
Unique Characteristics of ASCs

Approximately 5,300 Medicare-certified ASCs (2010) that:

- Are commonly specialty-specific
- Typically lack dedicated IT or infection control
- May or may not be hospital-affiliated
- Tend to lack long term relationship with patients

CMS conditions* for coverage require that ASCs:

- Maintain an ongoing program to prevent, control, and investigate infections and communicable diseases for ASC patients and personnel
- Infection monitoring/tracking activities should be conducted in accordance with recognized infection control surveillance practices, such as, for example, those utilized by NHSN
- Follow up on each patient after discharge to track HAI
- Program must be based on national guidelines, for example: CDC, APIC, SHEA, AORN

*CMS Conditions for Coverage Interpretive Guidelines Appendix L
NHSN Outpatient Procedure Component (OPC)

- Designed to address the unique needs of the outpatient for ASC
- Can help facilities meet state reporting requirements
- Can possibly help facilities fulfill the CMS Conditions of Coverage requirement to identify and track infection
- HOPDs may be added in the future
  - Challenges to correctly identify HOPD locations for surveillance due to being under same facility ID as acute care hospital and often share CCN of hospital
  - HOPDs already subject to a separate CMS hospital outpatient quality reporting program and should continue to use the Patient Safety Component
Why use OPC?

- Includes NQF Endorsed Measures
  - Same Day event measures (developed by ASCQC)
  - BRST SSI (developed by ASCQC-CDC-CO Department of Health collaboration)

- OPC-SSI protocol created for ASCs
  - Can be used to meet state-based reporting mandates

- Enables ASCs to benchmark against nationally aggregated data

- Data collection for all payer types
Why Use OPC?

- Monitor outcome of adherence to infection prevention/control clinical practice guidelines and strategies
- Track incidence of surgical site infections and other adverse healthcare outcomes
- Enable use of surveillance data for:
  - Measuring clinical quality and benchmarking performance
  - Exerting positive change(s) in patient care practices
  - Public reporting and other accountability purposes
  - Building knowledge related to infection risk in the ASC environment
- Minimize reporting burden for ASCs while assuring data are validated, credible, and actionable
NHSN Website

Tracking Infections in Ambulatory Surgery Centers

NHSN is the HAI surveillance gold standard. The system (and its predecessors) started years ago helping a few hundred healthcare facilities; today, more than 17,000 healthcare facilities use NHSN as the cornerstone of their HAI elimination strategies. Specifically, facilities use NHSN to:

- Access NHSN enrollment requirements for CMS Hospital Inpatient Quality Reporting Program,
- Obtain baseline HAI rates,
- Compare rates to CDC’s national data,
- Participate in state or national HAI prevention collaboratives,
- Devise and implement HAI elimination strategies,
- Evaluate immediate and long-term results of elimination efforts,
- Refocus efforts as needed, or advance to different areas.

<table>
<thead>
<tr>
<th>Surgical Site Infection Events (SSI)</th>
<th>Healthcare Personnel (HCP) Influenza Vaccination</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Training</td>
<td>• Training</td>
</tr>
<tr>
<td>• Protocols</td>
<td>• Protocols</td>
</tr>
<tr>
<td>• Forms</td>
<td>• Forms</td>
</tr>
<tr>
<td>• Support Materials</td>
<td>• Support Materials</td>
</tr>
<tr>
<td>• Analysis Resources</td>
<td>• Analysis Resources</td>
</tr>
<tr>
<td>• FAQs</td>
<td>• FAQs</td>
</tr>
</tbody>
</table>

**Same Day Outcome Measures**

- Training
- Protocols
- Forms
- Support Materials
Surveillance for Surgical Site Infection (SSI) Events

Resources for NHSN Users Already Enrolled

- Training
- Protocols
- Data Collection Forms
- Supporting Materials
- Analysis Resources

Resources to Help Prevent Infections

- Resources for Patients and Healthcare Providers
- HHS Action Plan to Prevent Healthcare-associated Infections
- Guideline for the Prevention of Surgical Site Infection, 2017
- Guideline for Hand Hygiene in Healthcare Settings [PDF - 500 KB]
Surveillance for Surgical Site Infection (SSI) Events

Resources for NHSN Users Already Enrolled

Training

- OPC - Surgical Site Infection (SSI) Part 1 Reporting Requirements (CBT – 35 min)
- OPC - Surgical Site Infection (SSI) Part 2 Infection Criteria (CBT – 35 min)
- OPC - Surgical Site Infection (SSI) Part 3 Reporting Instructions (CBT – 43 min)
- OPC - Surgical Site Infection (SSI) Part 4 Data Analysis and Post-discharge Surveillance (CBT – 37 min)
- Outpatient Procedure Component Overview – 2018
  - YouTube Link [Video – 43 min]
  - Slideset [PDF – 3 MB]

Continuing Education

- Obtaining Continuing Education for NHSN Training Events

Protocols

Data Collection Forms

Supporting Materials

Analysis Resources

Materials for Enrolled Facilities

Ambulatory Surgery Centers

Surveillance for Same Day Outcome Measures

Surveillance for Healthcare Personnel Vaccination

Acute Care Hospitals/Facilities

Long-term Acute Care Hospitals/Facilities

Long-term Care Facilities

Outpatient Dialysis Facilities

Inpatient Rehabilitation Facilities

Inpatient Psychiatric Facilities

MORO & CDI LabID Event
Resources for NHSN Users Already Enrolled

Training

Protocols

- Outpatient Procedure Component: Same Day Outcome Measures – November 2018. [PDF – 300 KB]
- NHSN Overview – November 2018. [PDF – 300 KB]
- Outpatient Procedure Component Reporting Plan and Annual Facility Survey – November 2018. [PDF – 200 KB]

Data Collection Forms

Resources to Help Prevent Infections

- Resources for Patients and Healthcare Providers
- HHS Action Plan to Prevent Healthcare-associated Infections
- Guideline for the Prevention of Surgical Site Infection, 2017
- Guideline for Hand Hygiene in Healthcare Settings. [PDF – 500 KB]
Same Day Outcome Measures (SDOM) Module

Tara Millson
Key Term: Encounter

- A patient’s visit to an outpatient facility where the patient completes the registration process

- Some outpatient facilities may refer to this as an admission
Same Day Outcome Measures (SDOM) Module

Includes four distinct measures which should be monitored:

- SDOM-1 Patient Burn
- SDOM-2 Patient Fall
- SDOM-3 Wrong Site, Wrong Side, Wrong Patient, Wrong Procedure, Wrong Implant
- SDOM-4 All-Cause Hospital Transfer/Admission

Surveillance is all or nothing: When following SDOM, ASCs will monitor all patient encounters for all four SDOM events
Brief Overview of Each SDOM

- **Patient Burn**
  - unintended tissue injury caused by scalds, contact, fire, chemicals, electricity, or radiation

- **Patient Fall**
  - sudden, uncontrolled, unintentional downward displacement of the body

- **“Wrong” Event**
  - procedure performed is inconsistent with documented informed consent

- **All-cause Hospital Transfer/Admission**
  - transfer/admission to hospital directly from the ASC for any reason
Denominator Entry in NHSN

One total for encounters is used for all event types
Numerator (Event) Form

All events for the same patient are recorded on one form
Important question

If reporting is **optional**, why would an ASC want to use the SDOM Module?

- Provides an opportunity to analyze multiple payer data
- Enable ASCs to benchmark against nationally aggregated data
OPC Surgical Site Infection (OPC-SSI)

Henrietta Smith
Surgical Site Infection Reporting: Specifications

- Infection criteria are similar to the SSI criteria in the NHSN Patient Safety Component surveillance protocol
- Less required reporting – fewer reporting fields
- Includes the NQF-endorsed Ambulatory Breast Procedure SSI Outcome Measure for ASC
- Enables SSI reporting for all types of SSIs included in state reporting mandates
Key Term: NHSN Operative Procedure

Defined as an operative procedure that

- is included in the NHSN Current Procedural Terminology (CPT) code mapping
and
- has **at least one incision** (including laparoscopic approach)
and
- takes place **in an operating room** (OR) or room meeting OR standards.
NHSN Operative Procedure Categories

- 30 procedure categories
- 30-day and 90-day surveillance periods

Table 3. Surveillance Periods for SSIs Following Selected NHSN Operative Procedure Categories. Day 1 is the date of the procedure.

<table>
<thead>
<tr>
<th>30-day Surveillance</th>
<th>90-day Surveillance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Code</strong></td>
<td><strong>Operative Procedure</strong></td>
</tr>
<tr>
<td>AMP</td>
<td>Limb amputation</td>
</tr>
<tr>
<td>APPY</td>
<td>Appendix surgery</td>
</tr>
<tr>
<td>AVSD</td>
<td>Shunt for dialysis</td>
</tr>
<tr>
<td>BILI</td>
<td>Bile duct, liver or pancreatic surgery</td>
</tr>
<tr>
<td>CEA</td>
<td>Carotid endarterectomy</td>
</tr>
<tr>
<td>CHOL</td>
<td>Gallbladder surgery</td>
</tr>
<tr>
<td>COLO</td>
<td>Colon surgery</td>
</tr>
<tr>
<td>GAST</td>
<td>Gastric surgery</td>
</tr>
<tr>
<td>HYST</td>
<td>Abdominal hysterectomy</td>
</tr>
<tr>
<td>LAM</td>
<td>Laminectomy</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>BRST</td>
<td>Breast surgery</td>
</tr>
<tr>
<td>FUSN</td>
<td>Spinal fusion</td>
</tr>
<tr>
<td>FX</td>
<td>Open reduction of fracture</td>
</tr>
<tr>
<td>HER</td>
<td>Herniorrhaphy</td>
</tr>
<tr>
<td>HPRO</td>
<td>Hip prosthesis</td>
</tr>
<tr>
<td>KPRO</td>
<td>Knee prosthesis</td>
</tr>
<tr>
<td>PACE</td>
<td>Pacemaker surgery</td>
</tr>
<tr>
<td>PVBY</td>
<td>Peripheral vascular bypass surgery</td>
</tr>
<tr>
<td>VSHN</td>
<td>Ventricular shunt</td>
</tr>
</tbody>
</table>
OPC Surgical Site Infection Module

- OPC-SSI criteria are similar to those within the Patient Safety Component (PSC)
  - General SSI Criteria
  - Breast Surgery SSI Criteria

- Both sets of criteria identify SSIs as:
  - Superficial Incisional SSI
  - Deep Incisional SSI
  - Organ/Space SSI
ASCs that have in the past reported SSI data using the Patient Safety Component (PSC)

- Starting Nov 1, 2018, OPC should be used to report SSI data
- PSC data Oct 31, 2018 and earlier have been copied to and viewable in OPC
- PSC data can only be edited in PSC
- Analysis of PSC data may be done in OPC using OPC risk models
## Differences between PSC and OPC

<table>
<thead>
<tr>
<th>Reporting Detail</th>
<th>Patient Safety</th>
<th>Outpatient Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASA Score</td>
<td>✓</td>
<td>✓*</td>
</tr>
<tr>
<td>Height</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Weight</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Diabetes</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Wound Class</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Trauma</td>
<td>✓</td>
<td>--</td>
</tr>
<tr>
<td>Emergency</td>
<td>✓</td>
<td>--</td>
</tr>
<tr>
<td>General Anesthesia</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

*Only report procedures with ASA scores.*
## Differences between PSC and OPC

<table>
<thead>
<tr>
<th>Reporting Detail</th>
<th>Patient Safety</th>
<th>Outpatient Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Closure Technique</td>
<td>✓</td>
<td>--</td>
</tr>
<tr>
<td>FUSN Spinal Level &amp; Approach</td>
<td>✓</td>
<td>--</td>
</tr>
<tr>
<td>HPRO &amp; KPRO procedure details (Primary vs Revision and Total vs Partial)</td>
<td>✓</td>
<td>--</td>
</tr>
<tr>
<td>Chapter 17 Site-specific reporting</td>
<td>✓</td>
<td>--</td>
</tr>
<tr>
<td>“Present at the time of surgery” (PATOS)</td>
<td>✓</td>
<td>--</td>
</tr>
<tr>
<td>Number of Procedure Categories</td>
<td>39</td>
<td>30</td>
</tr>
<tr>
<td>Procedure code field is required</td>
<td>--</td>
<td>✓</td>
</tr>
</tbody>
</table>
Procedure (denominator) Reporting

Procedure data may be entered:

- Manually for each procedure
- Via comma-separated values (.csv) file

Visit https://www.cdc.gov/nhsn/ambulatory-surgery/ssi/index.html and click the Supporting Materials tab
Post-discharge Surveillance

- Active post-discharge surveillance process
  - Recommended for the detection of SSIs
  - *Example: post-discharge survey sent to surgeon for feedback*

- Passive surveillance process
  - *Example: patient/caregiver contacts the outpatient facility to report an SSI*
OPC Post-discharge Surveillance Toolkit

Includes:
- Sample Letter
- Sample Line List by Surgeon
- SSI Worksheet

OPC-SSI Post-discharge Toolkit can be found under the Supporting Materials Tab:
Procedure Code Category and CPT Code are Required for Reporting

<table>
<thead>
<tr>
<th>Procedure Code Category</th>
<th>CPT Codes</th>
<th>Code Description</th>
<th>Code Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>HER</td>
<td>11008</td>
<td>Removal of prosthetic material or mesh, abdominal wall for infection (eg. for chronic or recurrent mesh infection or necrotizing soft tissue infection) (List separately in addition to code for primary procedure)</td>
<td>No change</td>
</tr>
<tr>
<td>HER</td>
<td>49491</td>
<td>Repair, initial inguinal hernia, preterm infant (younger than 37 weeks gestation at birth), performed from birth up to 50 weeks postconception age, with or without hydrocelectomy; reducible</td>
<td>No change</td>
</tr>
<tr>
<td>HER</td>
<td>49492</td>
<td>Repair, initial inguinal hernia, preterm infant (younger than 37 weeks gestation at birth), performed from birth up to 50 weeks postconception age, with or without hydrocelectomy; incarcerated or strangulated</td>
<td>No change</td>
</tr>
<tr>
<td>HER</td>
<td>49495</td>
<td>Repair, initial inguinal hernia, full term infant younger than age 6 months, or preterm infant older than 50 weeks postconception age and younger than 6 months at the time of surgery, with or without hydrocelectomy; reducible</td>
<td>No change</td>
</tr>
<tr>
<td>HER</td>
<td>49496</td>
<td>Repair, initial inguinal hernia, full term infant younger than age 6 months, or preterm infant older than 50 weeks postconception age and younger than 6 months at the time of surgery, with or without hydrocelectomy; incarcerated or strangulated</td>
<td>No change</td>
</tr>
<tr>
<td>HER</td>
<td>49500</td>
<td>Repair initial inguinal hernia, age 6 months to younger than 1 years, with or without hydrocelectomy; incarcerated or strangulated</td>
<td>No change</td>
</tr>
</tbody>
</table>
Procedure Code Category and CPT Code

• Updated yearly

• Spreadsheet contains relevant reportable CPT codes in each NHSN Operative Procedure Code category

2019 Operative Procedure Code Documents

The documents listed below should be used for procedures performed in 2019.

  This guidance document provides the list of procedure codes that are available for use within Ambulatory Surgery Centers.

• **ICD-10 CM Diabetes Diagnostic Codes**. [XLS – 50 KB]
  ICD-10-CM codes included in this spreadsheet are acceptable for use to answer “YES” to “Diabetes Mellitus” for completing the NHSN Operative Procedure Details.

• **Summary of 2018-2019 CPT Changes**. [XLS – 80 KB]
  This document includes changes made to the procedure codes listed for 2018 SSI reporting, as well as, new procedure codes added for 2019 SSI reporting. Because both outdated (removed) and current procedure codes are included, use caution if this document is used to identify procedures for SSI events for reporting.

SSI Event (numerator) Reporting
Who has access to OPC data?

The ASC controls who has access to their data.

- As there is no federal mandate for reporting OPC data, we at NHSN do not publicly report these data.
- Individual ASC facility administrator and users
- NHSN Group(s) that the ASC has joined and conferred rights
Summary - Outpatient Procedure Component

- OPC is intended for surveillance of adverse outcomes in ASCs
- Includes 2-modules
  - Same Day Outcome Measures
  - Surgical Site Infection Measure
- Reporting is optional using NHSN, except where there is a state-based mandate
- OPC data can help facilities to identify trends and focus prevention efforts
Summary, cont.

- Includes NQF-endorsed measures
- Designed and developed specifically for ASCs
- Enables ASCs to benchmark against nationally aggregated data
Future Direction of NHSN’s OPC

- Continue to work closely with the ASC QC to further develop the OPC
- Use field experience, user feedback, and analysis of surveillance data to enhance OPC surveillance and quality measurement
- Work with states and CMS in efforts to assure the OPC is available for use by their programs
- Learn more about ASCs through the analysis of OPC data
- Continue to tailor the contents of OPC for the ASC setting
Send questions related to the NHSN Outpatient Procedure Component to nhsn@cdc.gov