

# How to be NHSN Prepared: Surgical Site Infections

**JULY 27, 2011**

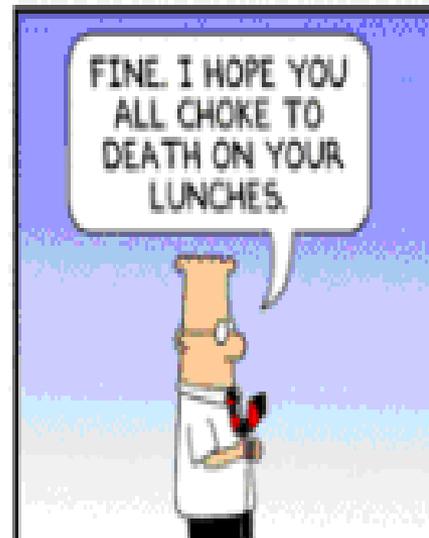
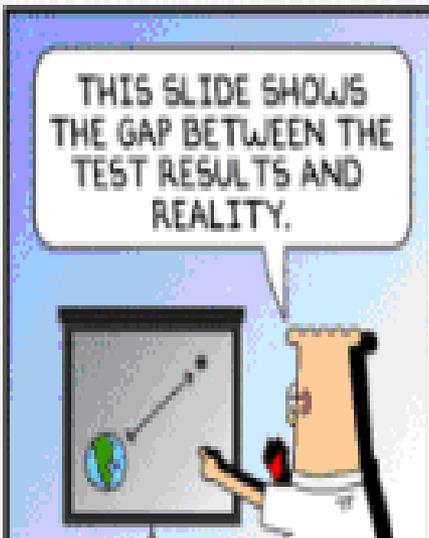
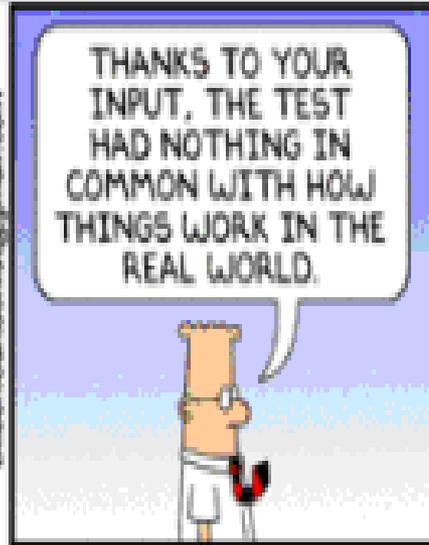
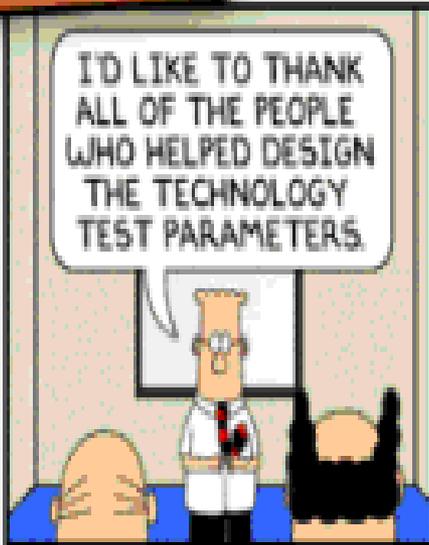
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# Objectives

- **Provide Overview of NHSN and CMS IPPS SSI Reporting Requirements**
- **Outline differences Between CMS and NHSN**
- **Review Reporting Criteria**
- **Provide Available Resources**



# CMS Reporting through NHSN

- **Inpatient Prospective Payment System participants**
- **Acute Care Hospitals with more than 25 inpatient beds**
- **Perform surgeries on specified operative procedures**
- **Reporting Begins January 1, 2012**

# HAI's – as of 4/19/2011

**Used in IPPS Payment and Adopted for Reporting Program**

√ **Catheter –associated urinary tract infections (POA indicator)**

√ **Vascular catheter-associated infection**

√ Data submission January 2011

**Surgical site infections**

● Data submission January 2012

# Proposed Surgical Procedures FY 2012

Colon surgery	17.31-17.36, 17.39, 45.03, 45.26, 45.41, 45.49, 45.52, 45.71- 45.76, 45.79, 45.81- 45.83, 45.92-45.95, 46.03, 46.04, 46.10, 46.11, 46.13, 46.14, 46.43, 46.52, 46.75, 46.76, 46.94 **
Abdominal hysterectomies *	68.31, 68.39, 68.41, 68.49, 68.61, 68.69 **
<b><i>*The list of surgical procedures is not set for 2012.</i></b>	
<b><i>** NHSN Codes - may be different than CMS</i></b>	

# Criteria: CMS vs NHSN

- **All procedures within the NHSN category for the targeted procedure**
  - CMS – Not all codes in the NHSN procedure category
- **Follow up for  $\leq 30$  days, Implant -  $\leq 1$  year**
  - Readmission (RI and RO), post discharge, procedure admission
  - CMS – any of the above which occur  $\leq 30$  days of operative procedure
- **Any patient meeting the definition of a surgical procedure**
  - CMS - Patients must be  $\geq 18$  years of age
- **Report all types of SSI**
  - CMS - deep incisional and organ space

# Data

- **Partner with Quality, IT, HIM, Clinical Informatics**
- **Manual entry or electronic – Procedures within the ICD- 9 Code category**
  - Complete the NMSN procedure form
  - Importing: ASCII comma delimited text file format. You can generate the import files from different external sources, such as databases or hospital information systems
    - Denominator
    - Numerator – depends on the type of database
  - Validate data from electronic sources

# Data Type

## ■ Denominator

- Required fields
  - Demographics: Patient ID, Gender, Date of Birth, NHSN Procedure Code, Date of Procedure
  - Procedure fields
    - All procedures: ASA, duration, wound class, diabetes, height, weight
    - HYST: endoscope, general anesthesia
    - COLO: endoscope, general anesthesia, implant

## ■ Numerator

- Superficial, deep, organ space infections

# Helpful Tidbits

- If the skin incision edges do not meet because of wires or devices or other objects **extruding through the incision**, the incision is not considered primarily closed and therefore the procedure is not considered an NHSN operation
  - Do not report in the denominator or as an SSI
- If patient goes to the OR more than once during a 24 hour period and the same incision is used, add the durations together
- If more than one procedure is performed during the same OR trip – Report each procedure
  - If duration for each is not provided, add together and divide in half.

# Finding Surgical Site Infections

- **Microbiology Reports – must also meet definition of infection**
- **Infection Control patient rounds**
- **Operating Room Reports – Incision and drainage**
- **Interventional radiology reports for percutaneous drainage of abscesses**
- **Referrals – physicians, other health care facility**
- **Readmission logs**
- **Emergency Department visit logs**
- **Autopsy reports**
- **Clinic Reports**
- **Post discharge surveys methods**

# RESOURCES

## ■ SSI NHSN Module

[http://www.cdc.gov/nhsn/PDFs/pscManual/9pscS  
Slcurrent.pdf](http://www.cdc.gov/nhsn/PDFs/pscManual/9pscS<br/>Slcurrent.pdf)

## ■ Importing Procedures

<http://www.cdc.gov/nhsn/library.html#psc>

## ■ APIC Public Policy

[http://www.apic.org/AM/Template.cfm?Section=G  
overnment\\_Advocacy](http://www.apic.org/AM/Template.cfm?Section=G<br/>overnment_Advocacy)

## ■ CMS IPPS Final Rule

[http://www.cms.gov/AcuteInpatientPPS/IPPS2010  
/list.asp](http://www.cms.gov/AcuteInpatientPPS/IPPS2010<br/>/list.asp)

# References

- Department of Health and Human Resources. Centers for Medicare & Medicaid Services. Office of Media Affairs. Medicare Fact Sheet. April 19, 2011
- HAC – POA. Hospital-Acquired Conditions (HAC) in Acute Inpatient Prospective Payment System (IPPS) Hospitals. October 2010
- National Healthcare Safety Network, <http://www.cdc.gov/nhsn/>
- Allen-Brindson, K. (2011). CLABSI Reporting through NHSN: Tips, Tricks, and Best Practices and what we know about SSI reporting for IPPS. HSAG. <http://www.hsag.com/azhospitals/mrsa/events.aspx>

# Thank You!

