

Resources for NHSN HAI Reporting

Facility staff performing HAI surveillance via NHSN should, at a minimum, complete all relevant self-guided training courses, read all relevant protocols, and become familiar with all relevant forms and instructions. Additionally, various state public health jurisdictions and CDC have created supplementary tools that will be useful to facilities needing to report HAI data via NHSN.

State health department tools:

- The Utah Department of Health has created a set of algorithms adapted from the NHSN protocols for CAUTI, CLABSI and SSI
http://health.utah.gov/epi/diseases/HAI/NHSN_surveillance_definitions/index.html
- The Tennessee Department of Health has created a set of checklists adapted from the NHSN protocols for VAE, SSI, BSI, UTI, and a number of site-specific infections (scroll down to “Current Checklists for HAI Definitions (2015)”) <https://tn.gov/health/topic/hai>
- The Tennessee Department of Health has also created the HAI Prevention Calculator to generate cumulative attributable differences (CADs), or the number of infections needed to prevent in order to reach a customizable goal
<https://tn.gov/health/article/hai-prevention-calculator>

Tools created by the Centers for Disease Control and Prevention:

NHSN has developed documents covering frequently asked questions (FAQ) regarding the Patient Safety Component (PSC):

- SSI Procedure Codes
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-ssi-codes.pdf>
- SSI
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-ssi.pdf>
- BSI
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-bsi.pdf>
- UTI
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-uti.pdf>
- CLIP
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-clip.pdf>
- VAE
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-vae.pdf>
- VAP
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-vap.pdf>
- MDRO/CDI
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-mdro-cdi.pdf>
- PSC Analysis
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-analysis.pdf>
- Annual Surveys
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-annual-surveys.pdf>
- Locations
<http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs-locations.pdf>

- Miscellaneous
http://www.cdc.gov/nhsn/pdfs/faqs/psc/faqs_misc.pdf
- CDA
<http://www.cdc.gov/nhsn/cdaportal/faqs.html>

The NHSN protocols include figures and flowcharts that are useful as stand-alone algorithms:

- Secondary BSI Guide for Eligible Organisms (page 4-30)
http://www.cdc.gov/nhsn/pdfs/pscmanual/4psc_clabscurrent.pdf
- VAE Guidance for Secondary BSI Determination (page 4-31)
http://www.cdc.gov/nhsn/pdfs/pscmanual/4psc_clabscurrent.pdf
- Identifying SUTI and ABUTI Flowchart (page 7-12)
<http://www.cdc.gov/nhsn/pdfs/pscmanual/7pscclabscurrent.pdf>
- VAE Surveillance Algorithm (page 10-18)
<http://www.cdc.gov/nhsn/pdfs/pscmanual/10-vaefinal.pdf>
- Ventilator-Associated Condition (page 10-19)
<http://www.cdc.gov/nhsn/pdfs/pscmanual/10-vaefinal.pdf>
- Infection-Related Ventilator-Associated Complication (page 10-20)
<http://www.cdc.gov/nhsn/pdfs/pscmanual/10-vaefinal.pdf>
- Possible Ventilator-Associated Pneumonia (page 10-21)
<http://www.cdc.gov/nhsn/pdfs/pscmanual/10-vaefinal.pdf>
- MDRO Test Result Algorithm for All Specimens LabID Events (page 12-23)
http://www.cdc.gov/nhsn/pdfs/pscmanual/12pscmdro_cdadcurrent.pdf
- MDRO Test Result Algorithm for Blood Specimens Only LabID Events (page 12-24)
http://www.cdc.gov/nhsn/pdfs/pscmanual/12pscmdro_cdadcurrent.pdf
- *C. Difficile* Test Result Algorithm for LabID Events (page 12-25)
http://www.cdc.gov/nhsn/pdfs/pscmanual/12pscmdro_cdadcurrent.pdf

NHSN has developed worksheets and calculators that are useful for understanding surveillance algorithms, and assisting in making determinations regarding the application of specific NHSN protocols, rules and criteria:

- HAI and POA Worksheet Generator
<http://www.cdc.gov/nhsn/poa/index.html>
- VAE Data Collection Worksheet
http://www.cdc.gov/nhsn/PDFs/vae/vae_DataCollectionWorksheet_FINAL_20121107.pdf
- Ventilator-Associated Event Calculator
<http://www.cdc.gov/nhsn/vae-calculator/vaeCalcV3.html>
- MDRO and CDI LabID Event Calculator
<http://www.cdc.gov/nhsn/labid-calculator/>
- VAE Antimicrobial Worksheet
http://www.cdc.gov/nhsn/pdfs/vae/vae_antimicrobialworksheet_final.pdf
- General Rules Worksheet (first link under “Supporting Material”)
<http://www.cdc.gov/nhsn/acute-care-hospital/clabsi/>

NHSN has created specific tools to facilitate CMS reporting:

- Monthly Checklist to Assist Facilities in Reporting to CMS Hospital IQR:
<http://www.cdc.gov/nhsn/pdfs/cms/ach-monthly-checklist-cms-iqr.pdf>

- Monthly checklists to assist facilities in reporting specific measures to CMS Hospital IQR, including CAUTI, CLABSI, LabID CDI and MRSA, SSI, and HCP Influenza Vaccination (all found on this page)
<http://www.cdc.gov/nhsn/cms/>

Disclaimer: Please note that these tools have not been developed or validated by CTDPH; we are not able to guarantee that they reflect the most recent or accurate reporting protocols. We ask that you refer any questions regarding the use of these resources directly to their authors.