

UPDATES TO PATIENT SAFETY ANALYSIS TREEVIEW MENU

NHSN Acute Care Analytics Team

October 2023

NHSN 11.6 Release

Audience

- Those who use the NHSN analysis features to analyze HAI data entered into the Patient Safety Component of NHSN
- NHSN facility and Group users who want to understand the recent changes made to the Patient Safety analysis treeview menu

Learning Objectives

By the end of this learning event, the user will be able to:

- Understand the rationale and timeline for the updated Patient Safety analysis treeview menu
- Identify the new parent folder and sub-folder structure

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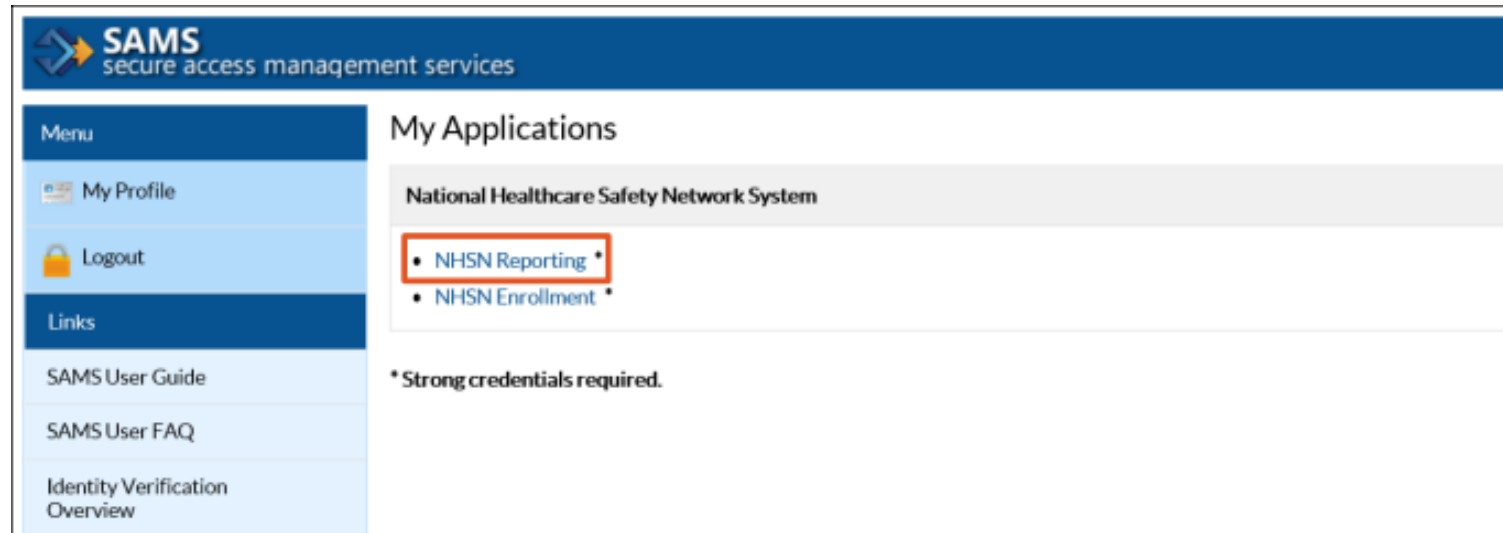
Click this button to
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LOG INTO NHSN

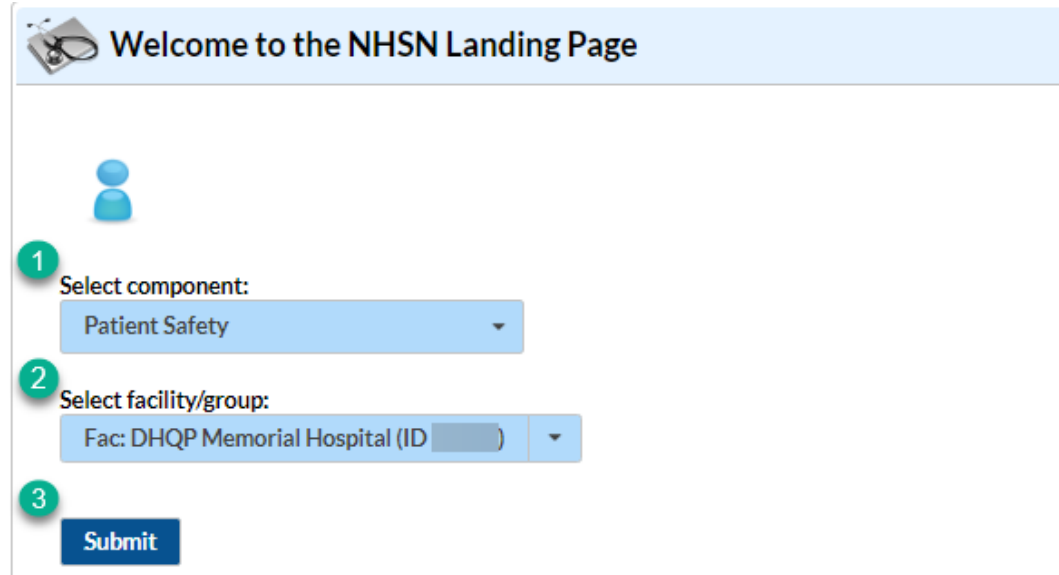
Logging into NHSN

- Go to **<https://sams.cdc.gov>**
- Use your grid card to log in
- Click on **NHSN Reporting**



NHSN Landing Page

- **Select** your component from the drop-down menu
- **Select** the facility/group
- **Click** Submit



The screenshot displays the NHSN Landing Page interface. At the top, a light blue header bar contains a stethoscope icon and the text "Welcome to the NHSN Landing Page". Below the header, a blue user icon is visible. The main content area features three numbered steps in green circles:

- 1** Select component:
A light blue dropdown menu is shown with "Patient Safety" selected and a downward arrow on the right.
- 2** Select facility/group:
A light blue dropdown menu is shown with "Fac: DHQP Memorial Hospital (ID [redacted])" selected and a downward arrow on the right.
- 3** Submit:
A dark blue button with the text "Submit" in white.

NHSN Patient Safety Home Page

- User rights determine which navigation bar options are available
- Locate the “Analysis” option in the navigation bar

NHSN - National Healthcare Safety Network

NHSN Home

- Alerts
- Dashboard ▶
- Reporting Plan ▶
- Patient ▶
- Event ▶
- Procedure ▶
- Summary Data ▶
- COVID-19 ▶
- Import/Export
- Surveys ▶
- Analysis** ▶
- Users ▶
- Facility ▶
- Group ▶
- Tools ▶
- Logout

NHSN Patient Safety Component Home Page

- ▶ TAP Strategy Dashboard
- ▶ TAS Dashboard
- ▶ HAI Pathogen Dashboard
- ▼ **Action Items**

COMPLETE THESE ITEMS

- Mini-IRF Survey Required
2022
- Confer Rights
Not Accepted

ALERTS

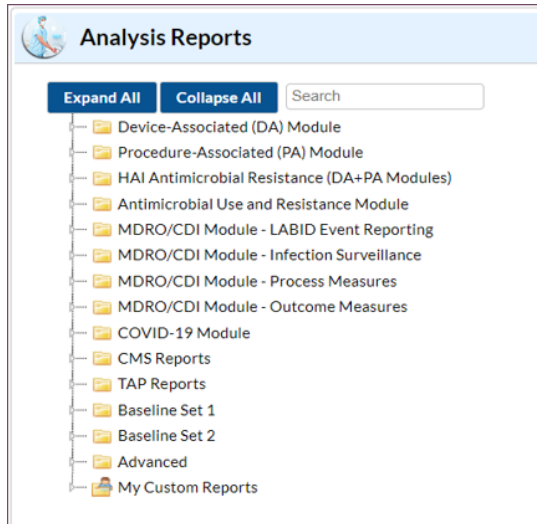
Rationale for Changing the Patient Safety Treeview Menu

WHY DO WE NEED A CHANGE

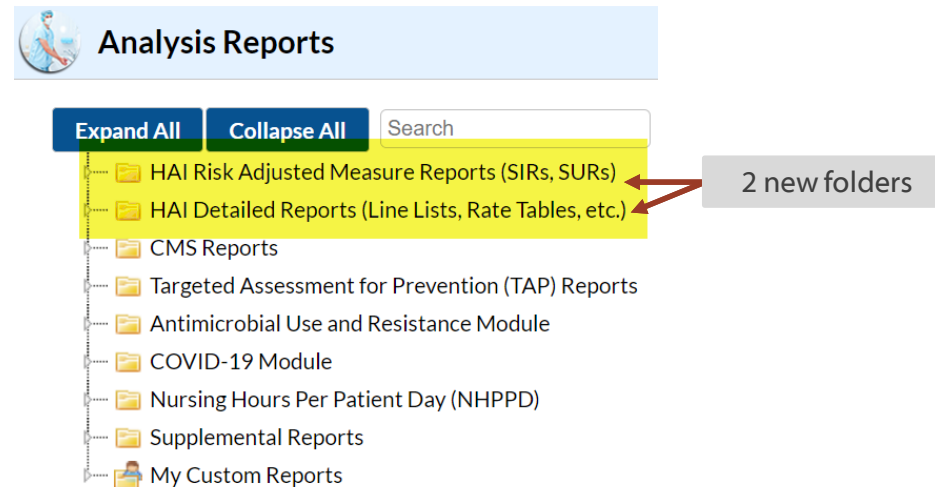
- The current treeview menu has been in place since the beginning of NHSN
- Changes were needed to:
 - Enhance the look and the feel, and improve general organization
 - Improve usability: cosmetic changes, updating terminology, acronyms, etc.
- Prepare for future analytic reports, including Rebaseline-related and digital quality measures (dQM) reports
- Updated folder organization will allow for a more intuitive navigation to desired analysis reports

Updated Treeview Layout

CURRENT TREEVIEW



NEW TREEVIEW



- Consolidated, new organization
- Two new parent folders at top of treeview (highlighted)
- New sub-folder structure within some of the existing folders
- **Note: No changes to Antimicrobial Use and Resistance Module, My Custom Reports or COVID-19 Module folders**

TWO NEW PARENT FOLDERS

- One parent folder for all SIRs and SURs: **“HAI Risk Adjusted Measure Reports”**
 - CMS program-specific SIRs can still be found in the CMS Reports folder (SIRs used for various CMS Quality Reporting Programs)
- Separate parent folder for all reports containing event-specific details: **“HAI Detailed Reports”**
- This structure requires NHSN users to decide, “up front”, if they want to run an SIR report or a detailed (e.g., line list) report



Analysis Reports

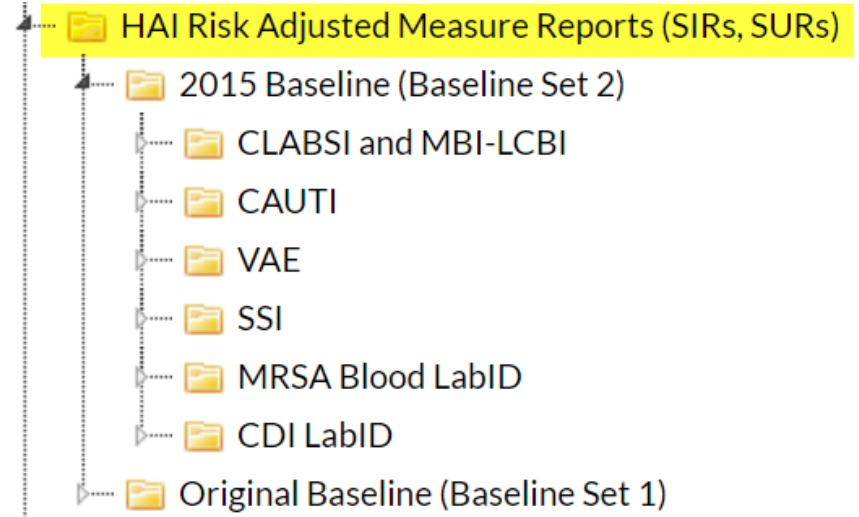
[Expand All](#)[Collapse All](#)

- HAI Risk Adjusted Measure Reports (SIRs, SURs)
- HAI Detailed Reports (Line Lists, Rate Tables, etc.)
- CMS Reports
- Targeted Assessment for Prevention (TAP) Reports
- Antimicrobial Use and Resistance Module
- COVID-19 Module
- Nursing Hours Per Patient Day (NHPPD)
- Supplemental Reports
- My Custom Reports

HAI Risk Adjusted Measure Reports

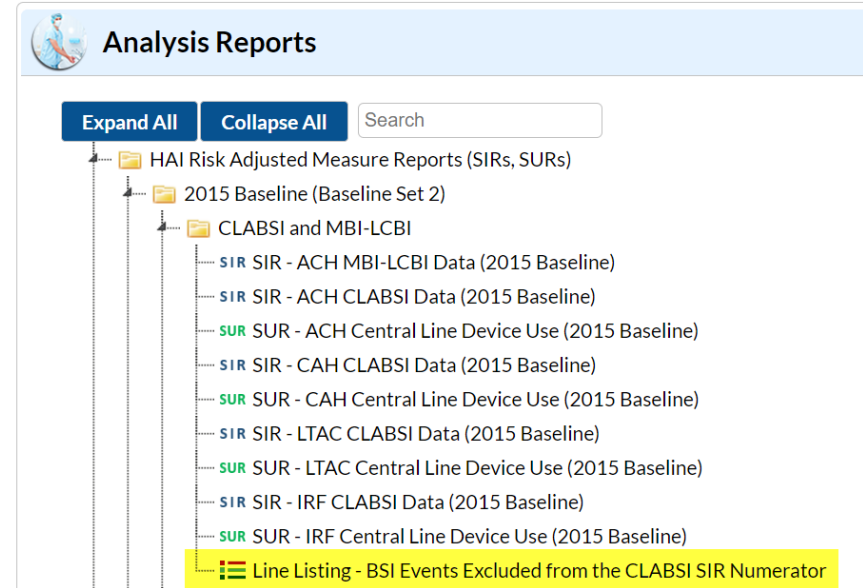
HAI RISK ADJUSTED MEASURE REPORTS

- Subfolder structure allows NHSN users to easily navigate between baselines
- NHSN users can clearly distinguish between baselines
- Under each baseline's folder, separate sub-folders will exist for each HAI type
- NHSN user can now navigate to the type of infection they intend to analyze



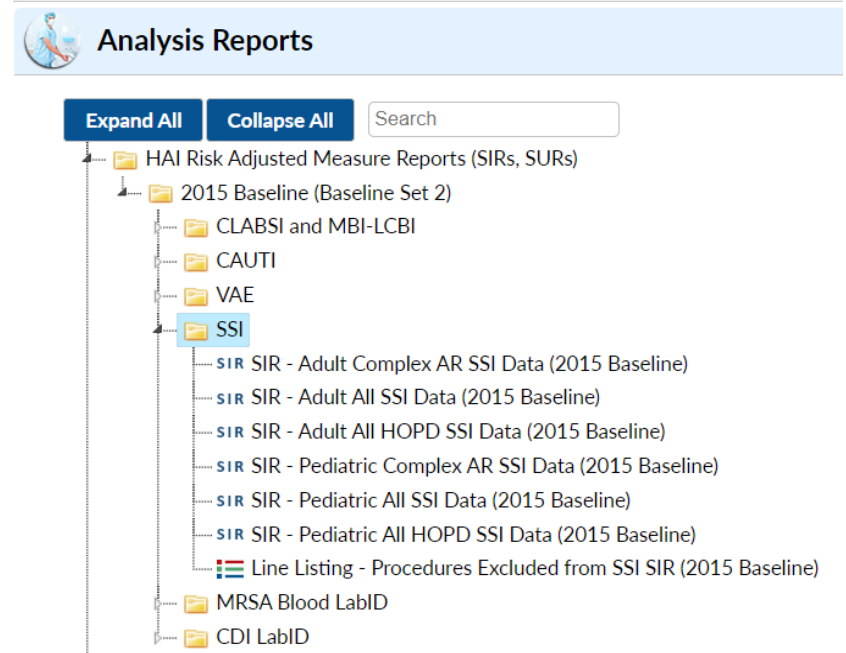
HAI RISK ADJUSTED MEASURE REPORTS

- Other reports, besides the SIR reports, can be found in this folder
- These reports will be applicable to the SIR or SUR calculations
- For example: BSI Events Excluded from the CLABSI SIR Numerator
 - Highlights the events that will not be included in the CLABSI SIR numerator



HAI RISK ADJUSTED MEASURE REPORTS - Cont'd

- General clean-up of HAI and facility type acronyms used for sub-folder and report names
- SIR and SUR reports can be found, for all facility types, within the HAI-specific sub-folders
- SSI SIR Reports by surgeon were removed
 - Sorting or filter by surgeon is still an option on the modify reports screen
- Year of the baseline is included in report name and title



HAI Detailed Reports

HAI DETAILED REPORTS

- This folder contains all other reports besides SIR and SUR reports:
 - Line Lists
 - Rate Tables
 - Pie Charts
 - Bar Charts
 - Frequency Tables
- Sub-folders are organized by module
- General clean-up of acronyms for HAIs and facility types (changing CDIF to CDI; CLAB TO CLABSI, etc.)

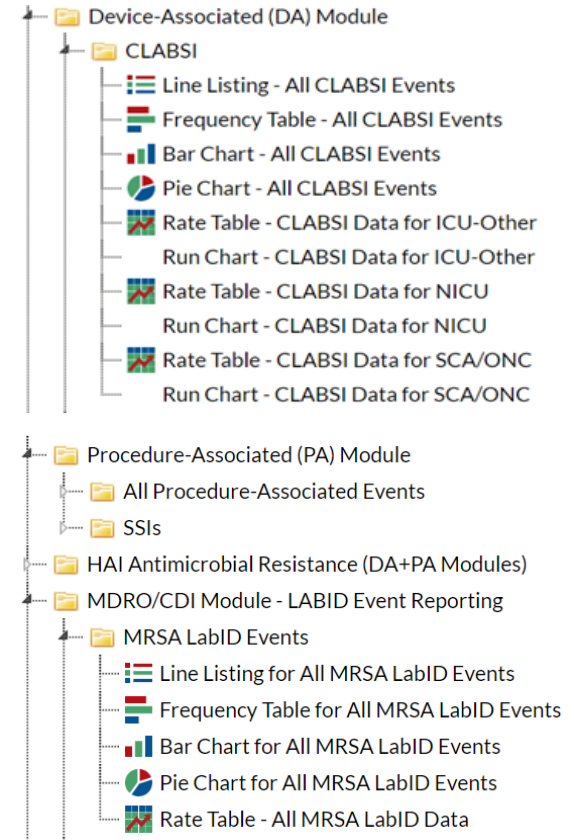
- HAI Detailed Reports (Line Lists, Rate Tables, etc.)
 - Device-Associated (DA) Module
 - CLABSI
 - MBI-LCBI
 - VAP
 - VAE
 - PEDVAE
 - CAUTI
 - CLIP
 - Procedure-Associated (PA) Module
 - All Procedure-Associated Events
 - SSIs
 - HAI Antimicrobial Resistance (DA+PA Modules)
 - MDRO/CDI Module - LABID Events
 - MRSA LabID Events
 - C. difficile LabID Events
 - VRE LabID Events
 - All CRE LabID Events
 - CRE-Klebsiella LabID Events
 - CRE-Ecoli LabID Events
 - CRE-Enterobacter LabID Events
 - CephR-Klebsiella LabID Events
 - Acinetobacter LabID Events
 - MSSA LabID Events
 - All LabID Events

HAI DETAILED REPORTS

- Changes to the DA Module folder:
 - No major changes, aside from acronym updates
 - *Line Listing – BSI Events Excluded from SIR Numerator*: this report now lives in the HAI Risk Adjusted Measure Reports folder

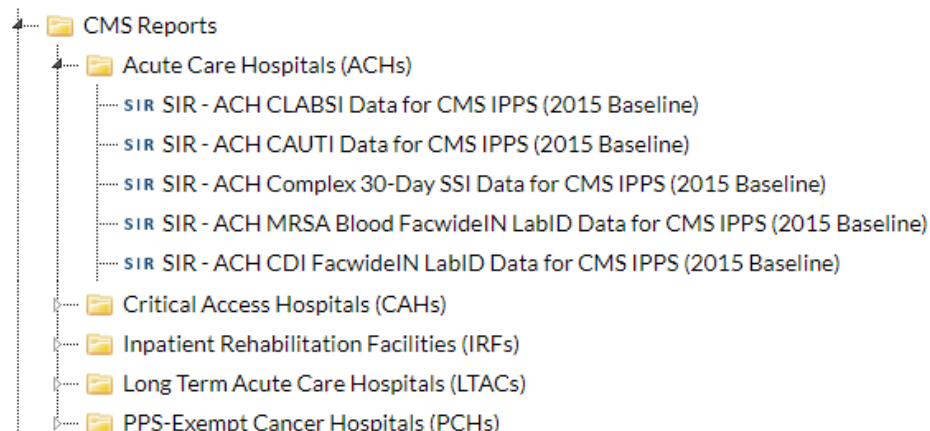
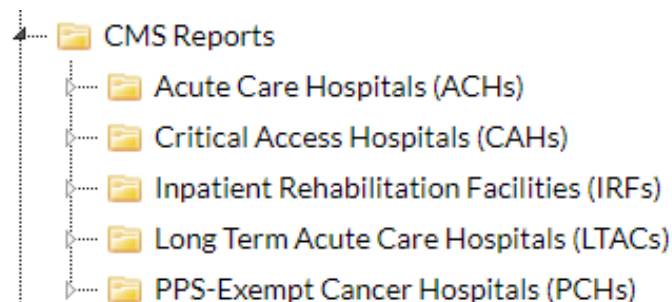
- Changes to PA Module folder:
 - Moved post-procedure pneumonia (PPP) reports out of the standard PA Module folder and into the Supplemental Reports folder
 - Added SSI rate tables and run charts into the SSI sub-folder (previously housed in “Advanced” folder)

- Changes to MDRO/CDI Module folder:
 - Re-ordered the organism-specific sub-folders
 - Moved Process and Outcome Measures to Supplemental Reports



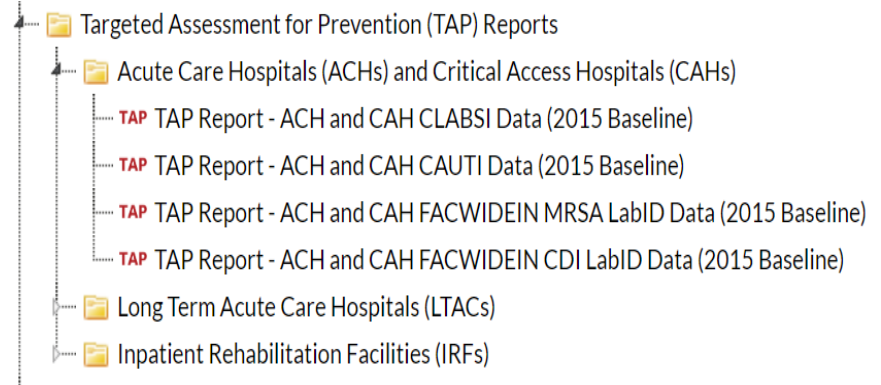
CMS REPORTS

- Sub-folders still exist for each facility type
- The SIRs *currently* used by CMS will be displayed by default in each folder
 - Baseline year listed at the end of report name
 - Consistent acronyms used for Quality Reporting Programs (QRPs)



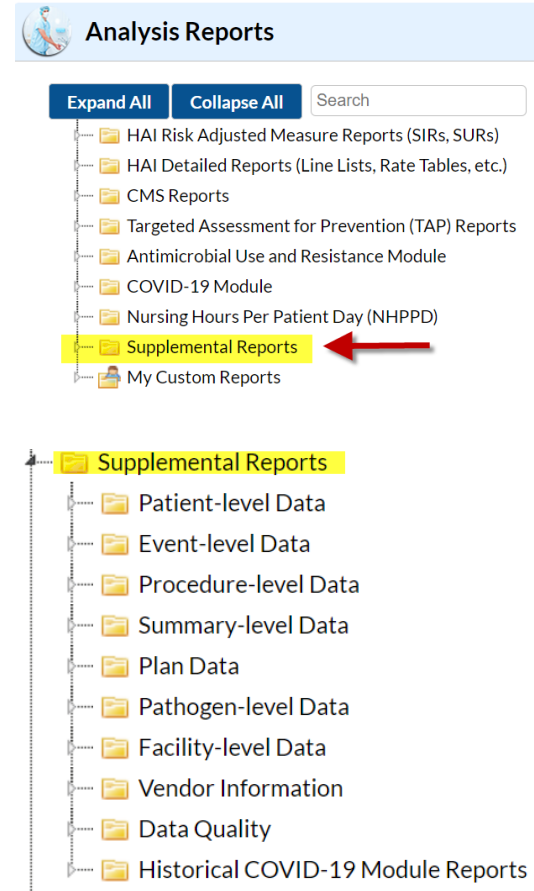
TAP REPORTS

- First facility type folder name now includes both ACHs and CAHs (no change to data)
- CLAB and CAU changed to CLABSI and CAUTI
- (2015 Baseline) added to all report names
- When applicable, an **Archive** sub-folder will be created, for each facility type, to house the TAP reports on historical baseline



SUPPLEMENTAL REPORTS

- Name change: “Advanced” folder has been **renamed** to “Supplemental Reports”
 - Folder called “Advanced” houses additional reports, such as Annual Survey line lists, that didn’t fit into any of the existing folders
 - Nothing “Advanced” about these reports
 - New folder name is user-friendly and more accurate
- We hope this user-friendly name will encourage users to navigate to this folder when needed
- No other changes to this folder



Additional Resources

ADDITIONAL TRAINING RESOURCES

- Additional information is available in the Patient Safety Treeview Quick Reference Guide, available here: <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/ref-guide/treeview-quick-reference-guide-508.pdf>

Service Now Cases/Questions

- Please use Subject Line: **Treeview Question**
- Your case will be assigned to one of three SME's that have in-depth knowledge of the treeview changes in the following areas.
 - Procedure Associated (PA)
 - Device-Associated (DA)
 - MDRO/CDI
- NHSN@cdc.gov email address can still be used for those who do not have access to Service Now

For more information, please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333

Telephone, 1-800-CDC-INFO (232-4636) / TTY: 1-888-232-6348

E-mail: cdcinfo@cdc.gov Web: www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.