

TAP Reports for Groups

Description

In 2015, new reports – referred to as “TAP Reports”- were implemented in NHSN in alignment with CDC’s Targeted Assessment for Prevention (TAP) strategy. The TAP strategy allows for the ranking of facilities (or locations) in order to identify and target those areas with the greatest need for improvement.

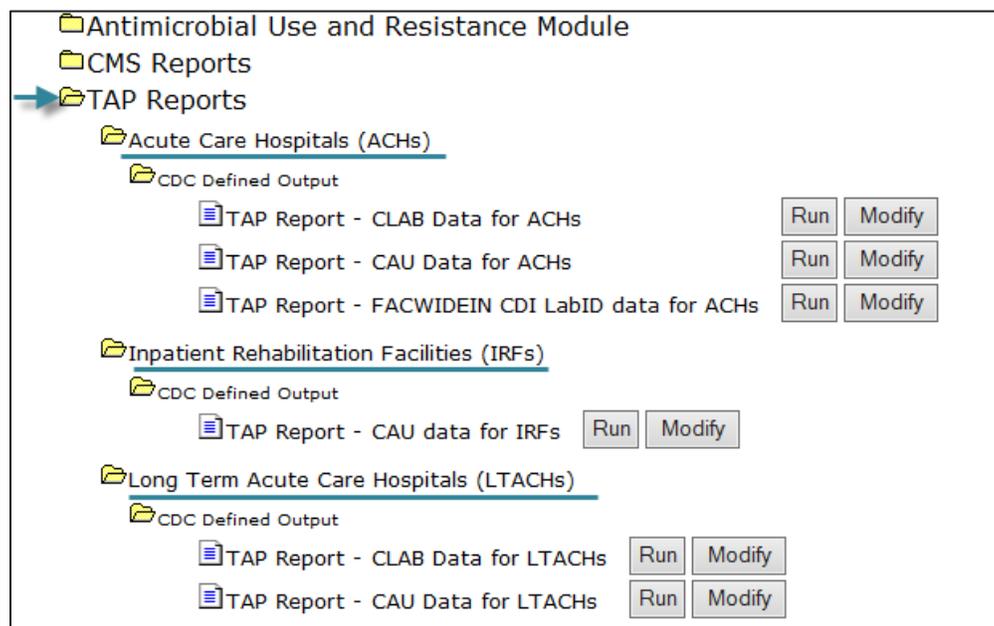
TAP Reports can be generated within NHSN for CLABSI, CAUTI, and CDI LabID data. The reports will rank facilities (or locations) by the cumulative attributable difference (CAD), which is the number of infections that must be prevented to achieve a HAI reduction goal. The CAD can help to prioritize the facilities (or locations) where the greatest prevention impact could be achieved. Ranking occurs for overall Hospital CAD (highest to lowest) and by location within the hospital.

This quick reference guide will describe how to run and interpret the TAP report, as generated by a Group within NHSN. For more information about the TAP strategy, please visit:

<http://www.cdc.gov/hai/prevent/tap.html>

Generate a TAP Report

1. On the output options screen, expand the “TAP Reports” folder. The TAP Reports are organized by facility type. Expand the folder for the facility type relevant to your analysis to see the TAP Report options available:



2. For each TAP Report, you can choose to either **Run** or **Modify**:
 - a. Clicking **Run** would provide a TAP Report that is inclusive of all data reported to NHSN that are included in the analysis datasets (e.g., all CAUTI data from 2012 to present) and to which your group has rights to access.
 - b. Clicking **Modify** will allow you to limit the TAP Report by time period (e.g., summaryYr 2014 to 2014), as well as include the variable labels for more descriptive column headers. **NOTE:** The TAP reports must be generated for a cumulative time period only (i.e., the GroupBy option must be blank on the modification screen.)

Example TAP Report Output – CAUTI

The following table is an example CAUTI TAP report generated by a Group for two member hospitals, for the calendar year 2013. The footnotes provided with each table define the data that appear in the derived columns. Please see page 4 for an example interpretation of this report.

National Healthcare Safety Network

TAP Report - CAUTI data for Acute Care Hospitals

Locations Ranked by CAD Within a Facility

As of: March 17, 2015 at 2:25 PM

Date Range: CAU_TAP summaryYr 2013 to 2013

Facility Rank	Facility Org ID	Facility Name	State	Type of Affiliation	Number of Beds	Location (I, W)	Events (I, W)	Device Days (I, W)	DUR % (I, W)	CAD (I, W)	SIR (I, W)	SIR Test	ICU No. Pathogens (EC,YS,PA,KS,PM,ES)	Ward+ No. Pathogens (EC,YS,PA,KS,PM,ES)
1	10000	DHQP Memorial Hospital	GA		174	9 (7, 2)	6 (6, 0)	1840 (1489, 351)	44 (49, 31)	3.1 (3.6, -0.5)	1.6 (1.9, .)		6 (0, 1, 0, 0, 0, 0)	0 (0, 0, 0, 0, 0, 0)
2	15331	Decennial Medical Center	GA		860	3 (2, 1)	3 (3, 0)	975 (825, 150)	24 (20, .)	1.4 (1.7, -0.3)	1.4 (1.7, .)		3 (0, 2, 0, 0, 0, 0)	0 (0, 0, 0, 0, 0, 0)

Data value will be '.' if there is no location reporting. SIR set to '.' when expected number of events < 1.0. DUR% not calculated if device days or patient days are missing at facility level.

(EC,YS,PA,KS,PM,ES) = No. of E. Coli, Yeast (both candida and non-candida species), P. aeruginosa, K. pneumoniae/K. oxytoca, Proteus Mirabilis, Enterococcus species

Facility Rank = Priority ranking for Targeted Assessment of Prevention by CAD in descending order

I,N,W= ICU, WARD+

CAD = (OBSERVED_ICU - EXPECTED_ICU* 0.75) + (OBSERVED_WARD - EXPECTED_WARD* 0.75)

SIR TEST = 'SIG' means SIR > 1 significantly

National Healthcare Safety Network
TAP Report - CAUTI data for Acute Care Hospitals
Locations Ranked by CAD Within a Facility

As of: March 17, 2015 at 2:25 PM

Date Range: CAU_TAP summaryYr 2013 to 2013

FACILITY				LOCATION									
Facility Rank	Facility Org ID	Facility Name	Facility CAD	Location Rank	Location	CDC Location	Events	Urinary Catheter Days	DUR %	CAD	SIR	SIR Test	No. Pathogens (EC,YS,PA,KS,PM,ES)
1	10000	DHQP Memorial Hospital	3.13	1	FICU	IN:ACUTE:CC:M	1	112	28	0.83	.	.	1 (0, 0, 0, 0, 0, 0)
				2	CMICU_N	IN:ACUTE:CC:C	1	125	31	0.81	.	.	1 (0, 0, 0, 0, 0, 0)
				3	ON_MS	IN:ACUTE:CC:MS	1	300	60	0.71	.	.	1 (0, 0, 0, 0, 0, 0)
				4	BURN	IN:ACUTE:CC:B	1	100	83	0.67	.	.	1 (0, 0, 0, 0, 0, 0)
				5	12345	IN:ACUTE:CC:M	1	252	39	0.62	.	.	1 (0, 1, 0, 0, 0, 0)
				6	ON_S	IN:ACUTE:CC:S	1	400	57	0.22	0.96	.	1 (0, 0, 0, 0, 0, 0)
				7	INHONCSA	IN:ACUTE:WARD:ONC_HONC	0	15	13	-0.03	.	.	
				8	CTICU	IN:ACUTE:CC:CT	0	200	73	-0.26	.	.	
				9	17N	IN:ACUTE:WARD:S	0	336	33	-0.45	.	.	
2	15331	Decennial Medical Center	1.40	1	ICU/CCU	IN:ACUTE:CC:C	3	625	22	2.06	2.40	.	3 (0, 2, 0, 0, 0, 0)
				2	5 SOUTH	IN:NONACUTE:LTC	0	150	.	-0.27	.	.	
				3	SICU	IN:ACUTE:CC:S	0	200	16	-0.39	.	.	

If location-level CADs are the same in a given facility, their ranks are tied.

(EC,YS,PA,KS,PM,ES) = No. of E. Coli, Yeast (both candida and non-candida species), P. aeruginosa, K. pneumoniae/K. oxytoca, Proteus Mirabilis, Enterococcus species

SIR is set to '.' when expected number of events is <1.0.

LOCATION CAD = (OBSERVED_LOCATION - EXPECTED_LOCATION* 0.75)

Interpretation

- The **first table** in the TAP Report output (see page 2) will provide a list sorted by facility CAD, in descending order. The first column in the facility-level table provides a rank by facility CAD; a Facility Rank of 1 indicates that the facility had the highest CAD compared to all other hospitals in the group.
 - Some variables will provide a break down by ICU and Ward+ locations. This is indicated by (I, W) in the column header.
 - The device utilization ratio (DUR) is presented as a percent; that is, the percentage of patient days that are also device days. In this example, the DUR % represents the percentage of patient days that are urinary catheter days.
 - Looking at the data for DHQP Memorial Hospital, the facility CAD was 3.1, indicating that at least 3 infections would need to be prevented in order to meet the HAI reduction goal.
 - The overall SIR for this facility was 1.6, and this SIR is not significantly greater than one (SIR Test).
 - Of the 6 CAUTI pathogens reported in the ICU (ICU No. Pathogens), 1 was a yeast (YS).
- The **second table** in the TAP report output (see page 3) will provide a list sorted by facility CAD, and within each facility, location CAD. This table is the equivalent to what a facility would be able to obtain from within NHSN. When we look at the location-specific information, we can begin to interpret data at the location level. For example:
 - The FICU location is ranked as #1 within the facility (Location Rank)– meaning, this location has the highest number of “excess” infections than all other locations for which CAUTI data were reported from this facility during 2013.
 - There was 1 CAUTI (Events) identified in the FICU, in 112 urinary catheter days.
 - The device utilization ratio (DUR), as a percent, was 28% - that is, 28% of the patient days in this unit were also urinary catheter days.
 - The CAD in the ICU was 0.83 and the SIR was not calculated due to the number of predicted events being <1.

TAP Reports for CLABSI and CDI:

- **CLABSI:** CLABSI TAP reports are generated using a format similar to the CAUTI TAP Reports. However, CLABSI TAP reports use a different HAI reduction goal in the calculation of the CAD and include NICU data in the calculations.
- **CDI:** Due to the manner in which the SIR is calculated for CDI, the CDI TAP reports will be generated at the inpatient, facility-wide (FACWIDEIN) level only.

Additional Resources:

- The Five "W"s of the Targeted Assessment for Prevention (TAP) Strategy:
<http://www.cdc.gov/hai/prevent/tap.html>
- Introduction to NHSN Analysis:
<http://www.cdc.gov/nhsn/PDFs/training/intro-AnalysisBasics-PSC.pdf>
- How to filter your data by time period:
<http://www.cdc.gov/nhsn/PS-Analysis-resources/PDF/FilterTimePeriod.pdf>
- How to filter your data on additional criteria:
<http://www.cdc.gov/nhsn/PS-Analysis-resources/PDF/SelectionCriteria.pdf>
- Analysis Quick Reference Guides:
<http://www.cdc.gov/nhsn/PS-Analysis-resources/reference-guides.html>