How to Obtain a Line List of Summary Data
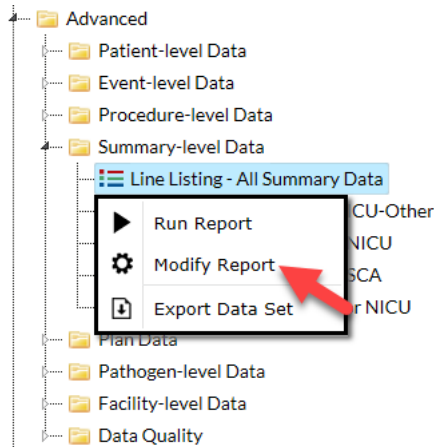
Description

There is an option available in NHSN to produce a line list that includes all summary data by type (i.e., denominator data from the MDRO/CDI or Device-Associated Modules of the Patient Safety Component).

Example

You are interested in creating a line list of *C. difficile* (CDI) summary data in your facility for 2018 Q1.
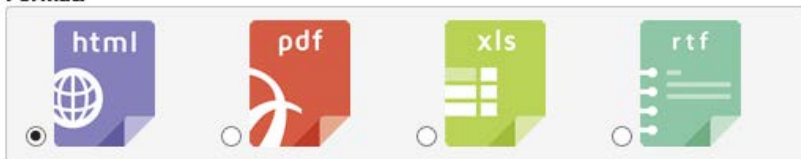
Creating the Line List

1. On the "Analysis Reports" screen, click on the "Advanced" folder.
2. Select the "Summary-level Data" subfolder and click on "Line Listing - All Summary Data".
3. Choose "Modify Report".

Modification Page

On the first tab of the modifications page, you can select the format of the Line List. For this example, we will keep the default setting for HTML format.

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To modify the time period, navigate to the "Time Period" tab of the modifications page. Select "summaryYM" as the date variable and enter the date range 01/2018 to 03/2018.

Title/Format	**Time Period**	Filters	Display Variables	Sort Variables	Display Options

Time Period:

Date Variable	Beginning	Ending	
summaryYM ∨	01/2018	03/2018	✕ **Clear Time Period**

☐ Enter Date variable/Time period at the time you click the Run button

To select a filter, navigate to the "Filters" tab of the modification screen. Select "eventType" in the first dropdown box, "equal" in the second dropdown box, and select "CDIF - C. difficile" in the third dropdown box.

Title/Format	Time Period	**Filters**	Display Variables	Sort Variables	Display Options

Additional Filters: ☐ Show ✕ Clear

AND OR		Add group
AND OR		Add rule
eventType ∨	equal ∨	CDIF - C. difficile ∨	Delete

To view and/or modify the variables that will display on your line list, navigate to the "Display Variables" tab. The list on the left includes all available variables in the dataset ("Available Variables"), while the list on the right is all the variables that will be displayed in your line list report ("Selected Variables"). By default, the variables listed below will appear on the summary data line list.

orgID	cdiTestMeth
summaryYM	numTotAdm
summaryType	numTotPatDays
location	numTotEncounters
locCDC	numCdifAdm
eventType	numCdifPatDays
birthWtCode	numCdifEncounters
numpatdays	numAdms
numddays	numEncounters

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createDate	noEventsLabID
createUserID	noEventsLabIDBld
modifyDate	
modifyUserID	
noEvents	

For a description of these variables, please see the NHSN Data Dictionary for the Patient Safety Component at http://www.cdc.gov/nhsn/PDFs/pscManual/VarLabelXref-661_PS.pdf

If you would like to add or remove certain variables from the line list, highlight those variables and click the "Selected" button in between the two columns. In this example, we have adjusted the variables listed in the "Selected Variables" column by removing "birthWtCode" and "numddays". BirthWtCode and numddays are only applicable to device-associated denominator records, and are therefore not needed for this *C. difficile* example.

Output

Notice that the line list has one row of data per location and month in which CDI (CDIF) denominator data have been reported for 2018 Q1.

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Line Listing for All Summary Data
As of: December 23, 2019 at 7:29 PM
Date Range: PS SUMMARY summaryYM 2018M01 to 2018M03

orgid	summaryYM	summarytype	location	eventtype	cdiTestMeth	numTotAdm	numTotPatDays	numTotEncounters	numCdifAdm	numCdifPatDays	noEvents	noEventsLabID	noEventsLabIDbld
10000	2018M01	MDRO	FACWIDEIN	CDIF		267	1000	.	240	950	Y		
10000	2018M01	MDRO	REHAB	CDIF		27	50	.	.	.	Y		
10000	2018M01	MDRO	EDEPT	CDIF		.	.	201	.	.	Y	N	
10000	2018M02	MDRO	FACWIDEIN	CDIF		280	1209	.	270	1141	N	Y	
10000	2018M02	MDRO	REHAB	CDIF		10	68	.	.	.	N		
10000	2018M02	MDRO	EDEPT	CDIF		.	.	190	.	.	N	Y	
10000	2018M03	MDRO	FACWIDEIN	CDIF	NAATEIA	300	1300	.	250	900	N		
10000	2018M03	MDRO	REHAB	CDIF	NAATEIA	50	400	.	.	.	N		
10000	2018M03	MDRO	EDEPT	CDIF		.	.	256	.	.	Y		

Sorted by orgID summaryYM
Data contained in this report were last generated on December 23, 2019 at 7:20 PM. to include data beginning January 2016

Note: If a summary line list is created for device-associated data, there will be one line of data per summary month, for each location and device type (i.e., there can be up to three rows of data for each summary month and location).

Additional Resources

Introduction to NHSN Analysis:
https://www.cdc.gov/nhsn/pdfs/training/2019/intro-nhsn-analysis-508.pdf

How to modify an NHSN analysis report:
https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.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

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