

Line List

Last Updated January 2025

Description

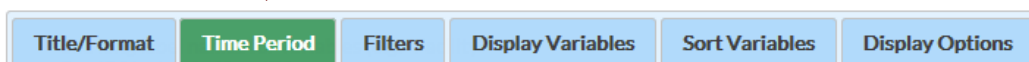
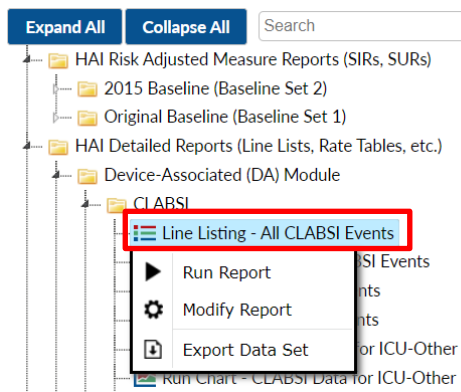
A line list is an organized, detailed list of each record entered into NHSN.

Example

Suppose you are interested in looking at all CLABSI events in 2015 that occurred in the Critical Care Units, ICU A and 5G (Cardiac ICU). You would like to produce a line list that includes basic patient demographics (patient ID, DOB, sex, and age at event), information on the event (date admitted, event ID, event date, and event type), as well as the location of the event. You would like the line list to be sorted by patient age at event.

Modifying the Report

Before running any analysis report in NHSN, all users must generate analysis datasets. To do this, click Analysis > Generate Data Sets. Once this has completed, you can access the CLABSI line list report by clicking Analysis > Reports > HAI Detailed Reports > Device-Associated (DA) Module > CLABSI > Line Listing-All CLAB Events. Below are the modifications for this example. For basic modification guideline, follow <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.pdf>



Time Period:

Date Variable	Beginning	Ending	
evntDateYr	2015	2015	<input type="button" value="Clear Time Period"/>
<input type="checkbox"/> Enter Date variable/Time period at the time you click the Run button			



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The screenshot shows the 'Filters' tab in the Line List interface. It includes a section for 'Additional Filters' with 'Show' and 'Clear' buttons. A filter rule is configured with the condition 'location' in 'ICU-A - ICU-A'. A second dropdown menu is set to '5G - CARDIAC ICU'. Action buttons for 'Add group', 'Add rule', and 'Delete' are present.

About Displaying and Sorting Variables

- Both the “Display Variables” tab and “Sort Variables” tab will produce a similar window, shown on the right, which allows you to move variables from the available list in the left column to the selected list in the right column by using the directional arrows in the center.
- You can also re-order the selected variables using the “up” and “down” buttons, found to the right of the selected variables list.
- In this example, “ageAtEvent” was selected as the Sort variable.

The screenshot displays the variable selection interface. It features two main columns: 'Available Variables' on the left and 'Selected Variables' on the right. The 'Available Variables' list contains 15 variables, including admission dates, birth weight, CCN, and various event-related variables. The 'Selected Variables' list contains 10 variables, including identifiers, age at event, admission date, event details, and location. In the center, there are four buttons: 'All', 'Selected', 'Selected', and 'All', used for moving variables between the lists. The 'ageAtEvent' variable is currently selected and highlighted in the 'Selected Variables' list.

Tip: Not sure of the meaning of the variables in the list? Select the option to “Show Descriptive Variable Labels”, at the top of the Modify Screen.

Report/Results

The example line list shown below is the result of the example modifications. There is one row for each CLABSI event and one column for each variable. The events are sorted by ascending order based on the patient’s age at event.

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National Healthcare Safety Network Line Listing for All Central Line-Associated BSI Events

As of: November 14, 2016 at 9:08 AM

Date Range: CLAB_EVENTS evntDateYr 2015 to 2015

orgID	patID	dob	ageAtEvent	admitDate	eventID	eventDate	eventType	spcEvent	location
10018	1	03/07/2006	8	01/01/2015	54954	01/05/2015	BSI	LCBI	ICU-A
10018	1	03/07/2006	9	09/29/2015	54290	10/01/2015	BSI	LCBI	ICU-A
10018	1234	10/01/1992	22	01/06/2015	53827	01/16/2015	BSI	LCBI	5G
10018	1234_7872	10/02/1989	25	01/06/2015	53829	01/16/2015	BSI	LCBI	5G
10018	002-19	11/21/1963	51	01/03/2015	54956	01/06/2015	BSI	LCBI	5G
10018	CDAJOY_7928	02/05/1960	54	01/03/2015	53831	01/05/2015	BSI	LCBI	ICU-A

Sorted by ageAtEvent

Data contained in this report were last generated on November 10, 2016 at 3:54 PM.

Additional Resources

Introduction to NHSN Analysis: <http://www.cdc.gov/nhsn/PDFs/training/intro-AnalysisBasics-PSC.pdf>

How to filter your data by time period: <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/filtertimeperiod.pdf>

How to filter your data on additional criteria: <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/selectioncriteria.pdf>