

# Line List

Last Updated Dec 12, 2023

## Description

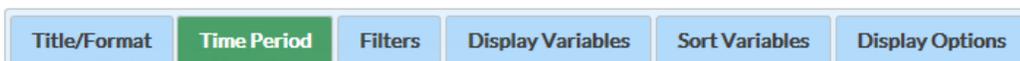
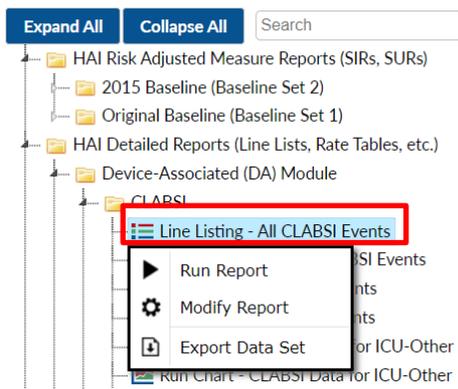
A line list is an organized, detailed list of each record entered into NHSN.

## 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, gender, 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 |  |
|---|-----------|--------|--|
| evtDateYr   | 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. The navigation bar includes 'Title/Format', 'Time Period', 'Filters' (selected), 'Display Variables', 'Sort Variables', and 'Display Options'. Below the navigation bar, there are 'Additional Filters' buttons: 'Show' and 'Clear'. The main area shows a filter rule configuration. It starts with 'AND OR' buttons. A nested rule is shown with 'AND OR' buttons. The rule is 'location in ICU-A - ICU-A, 5G - CARDIAC ICU'. There are 'Add group', 'Add rule', and 'Delete' buttons.

## 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 shows the 'Display Variables' and 'Sort Variables' interface. It features two columns: 'Available Variables' and 'Selected Variables'. The 'Available Variables' list includes: acine, admDateYH, admDateYM, admDateYQ, admDateYr, admToDisDays, admToEvtDays, birthWt, birthWtCode, birthWtCodeDesc, CCN, cdad, centralLine, cephRKleb, completedFlag. The 'Selected Variables' list includes: orgID, patID, dob, gender, ageAtEvent (highlighted), admitDate, eventID, eventDate, eventType, spcEvent, location. There are directional arrows between the columns and 'Up' and 'Down' buttons on the right.

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