

How to Run the Core Elements Line List within NHSN

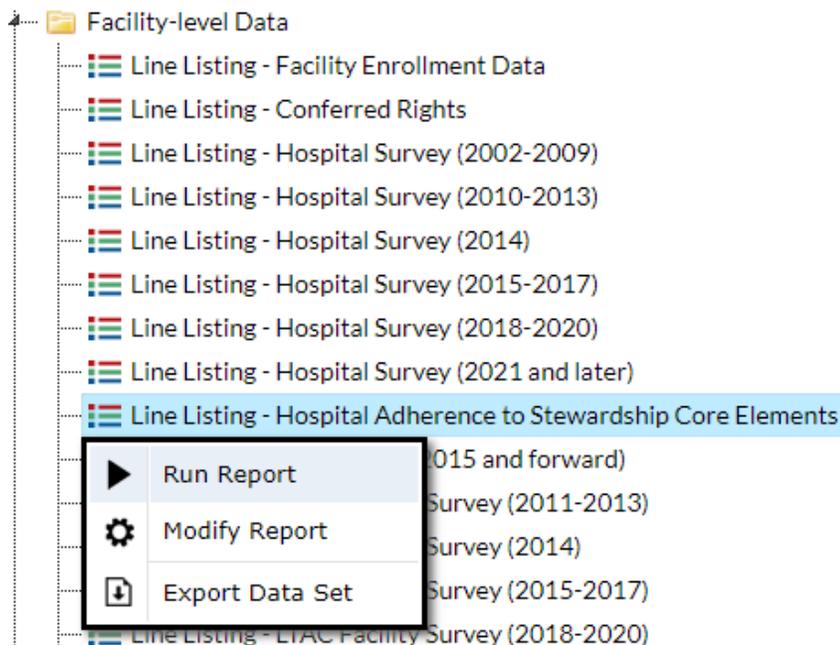
Overview

CDC has identified seven core elements of a successful hospital Antibiotic Stewardship Program (ASP); adherence to each of these elements can be assessed by a hospital or Group in NHSN based on responses to NHSN's Patient Safety Component Annual Hospital Survey. The information below provides instructions that can be used when running the "Hospital Adherence to Stewardship Core Elements" Line List in NHSN.

Questions from the Annual Hospital Survey are mapped to seven (7) core element categories: leadership, accountability, pharmacy, action, tracking, reporting, and education. Currently, the Core Elements of Hospital ASPs apply only to acute care hospitals; therefore, the Core Elements Line List in NHSN does not include data from other facility types such as inpatient rehabilitation facilities (IRFs) or long-term acute care hospitals (LTACHs). The Core Elements Line List can be generated using the 2015 annual hospital survey and forward.

Instructions

We recommend that facilities complete the most recent annual survey before running this report. Once completed, generate new analysis datasets and proceed to the NHSN analysis reports page. In the Supplemental reports folder, click "Facility-level Data" then "Line Listing - Hospital Adherence to Stewardship Core Elements" to display the Line Listing. Click "Run Report" to generate the line list in a new window.



**Centers for Disease Control
and Prevention**
National Center for Emerging and
Zoonotic Infectious Diseases

Example Line List Report

National Healthcare Safety Network

Line Listing - Hospital Adherence to Seven Core Elements of Hospital Antibiotic Stewardship Program

As of: March 30, 2023 at 6:14 PM
Date Range: All ABX STEWARDSHIP

surveyYear	Leadership_CE	Accountability_CE	PharmacyExpertise_CE	Action_CE	Tracking_CE	Reporting_CE	Education_CE	coreElementsMet
2015	Y	Y	Y	Y	Y	Y	N	6
2016	Y	Y	Y	Y	N	Y	Y	6
2017	Y	Y	Y	Y	Y	Y	Y	7
2018	Y	N	N	Y	Y	Y	Y	5
2019	Y	Y	Y	Y	Y	Y	Y	7
2021	Y	Y	Y	Y	Y	Y	Y	7

Sorted by surveyYear

Data contained in this report were last generated on March 20, 2023 at 1:42 PM to include data beginning January 2020 .

1. These are the seven core elements recommended by CDC to improve antibiotic prescribing practices and reduce inappropriate use.

More information about the core elements of a hospital antibiotic stewardship program can be found here: <https://www.cdc.gov/antibiotic-use/core-elements/hospital.html>

2. Responses to the annual hospital survey were used to determine if the hospital meets one or more of the Core Elements.

3. Review the NHSN data dictionary for information on variable names. We recommend using variable labels when running this report.

4. Adherence to a Core Element is achieved with a positive ("Y") response to at least one question within that element.

Interpretation

The generated report will include all the completed surveys from 2015 – onward in the “surveyYear” column. The remaining columns list each of the seven core element categories and the rows underneath indicate if each category is met (Y/N). For some core elements, NHSN uses responses from several questions on the annual hospital survey to determine whether that single core element is met; see Mapping section below. A core element is met when a facility answers “Yes” to at least one survey question within that core element category; this is displayed on the Core Elements Line List as “Y”. If a facility answers “No” to all questions in a core element category, that column will display an “N” to indicate the core element has not been met. The final column labeled “coreElementsMet” is the total number of core elements met for a specific survey year.

In the example above, the facility met a total of 5 core element in 2018, 6 core elements in 2015, 2016 and 7 core elements in 2017, 2019, 2021. If running this report from a Group in NHSN, all facilities in the Group who have conferred rights to annual survey data will appear in the line list.

Mapping

The listing of how each of the core elements are mapped to the Annual Hospital Survey are outlined in the “Crosswalk of Antibiotic Stewardship Practices Mapping from Patient Safety Annual Survey” found here

<https://www.cdc.gov/nhsn/xls/mapping-ps-annual-survey-question.xlsx>.

Additional Resources

For more information about the core elements of hospital antibiotic stewardship programs please visit the webpage here,

<https://www.cdc.gov/antibiotic-use/core-elements/hospital.html>.

Running and Modifying a Line List within NHSN:

<https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/linelists.pdf>.