

# Using the HAI Pathogen Dashboard


last updated: April 2025

The HAI Pathogen Dashboard is available for facility users in the NHSN Patient Safety Component to view and analyze pathogen and antimicrobial resistance (AR) data reported to NHSN as part of healthcare associated infection (HAI) reporting. This dashboard allows users to readily access and review their facility's HAI pathogen and AR reporting from the NHSN Patient Safety Component Home Page. The following instructions provide information for navigating and interpreting the HAI Pathogen Dashboard.

## About the Data

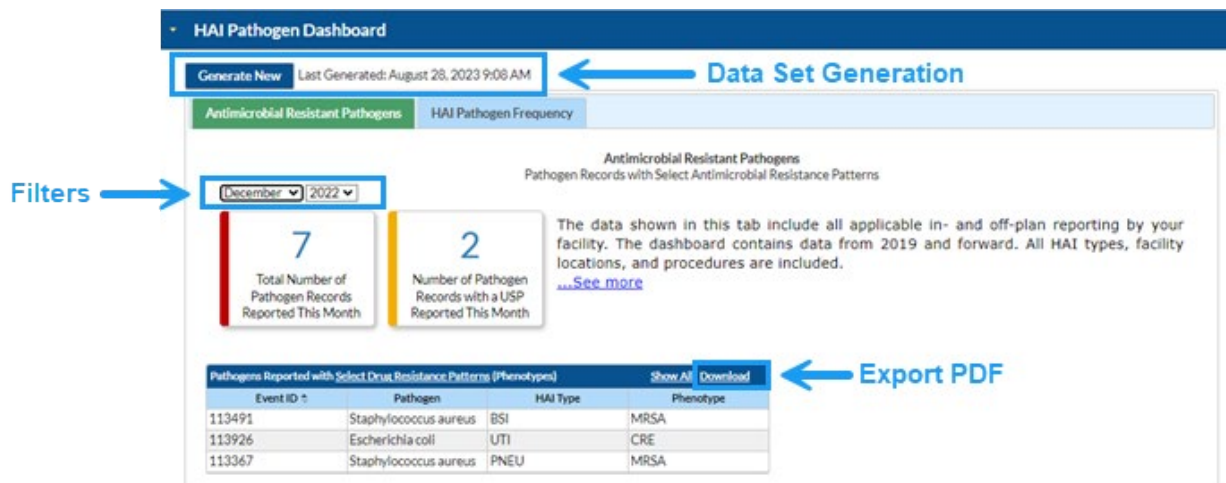
The HAI Pathogen Dashboard contains all pathogen-level data reported by your facility to NHSN's Patient Safety Component from 2019 onward as part of HAI reporting. Data from in- and off-plan reporting of all HAI types, facility locations, and procedures are included in this dashboard.

Users must generate datasets within the NHSN application to view their data using the HAI Pathogen Dashboard. Only data that were entered into NHSN prior to a user's most recent dataset generation will be reflected on the dashboard.

 **Tip:** The time of last dataset generation is shown at the top of the dashboard, beneath the HAI Pathogen Dashboard header. Use the "Generate New" button to update datasets.

## Antimicrobial Resistant Pathogens Tab

The HAI Pathogen Dashboard features two tabs: "Antimicrobial Resistant Pathogens" and "HAI Pathogen Frequency". Users can toggle between these tabs using the tab headers at the top of the dashboard.



**HAI Pathogen Dashboard**

Generate New Last Generated: August 28, 2023 9:08 AM **Data Set Generation**

Antimicrobial Resistant Pathogens HAI Pathogen Frequency

Antimicrobial Resistant Pathogens  
Pathogen Records with Select Antimicrobial Resistance Patterns

**Filters** → December 2022

**7**  
Total Number of Pathogen Records Reported This Month

**2**  
Number of Pathogen Records with a USP Reported This Month

The data shown in this tab include all applicable in- and off-plan reporting by your facility. The dashboard contains data from 2019 and forward. All HAI types, facility locations, and procedures are included. [See more](#)

Pathogens Reported with Select Drug Resistance Patterns (Phenotypes)

Event ID ↑	Pathogen	HAI Type	Phenotype
113491	Staphylococcus aureus	BSI	MRSA
113926	Escherichia coli	UTI	CRE
113367	Staphylococcus aureus	PNEU	MRSA


Show All Download **Export PDF**




The Antimicrobial Resistant Pathogens Tab, the default tab, displays information pertaining to the [AR phenotypes](#) and [Unusual Susceptibility Profiles](#) (USPs) reported by the facility. Users may use

the dropdown menus located at the top of the dashboard to select any month/year combination of interest from 2019 onward. These filter selections affect the data included in the following key features of this tab:

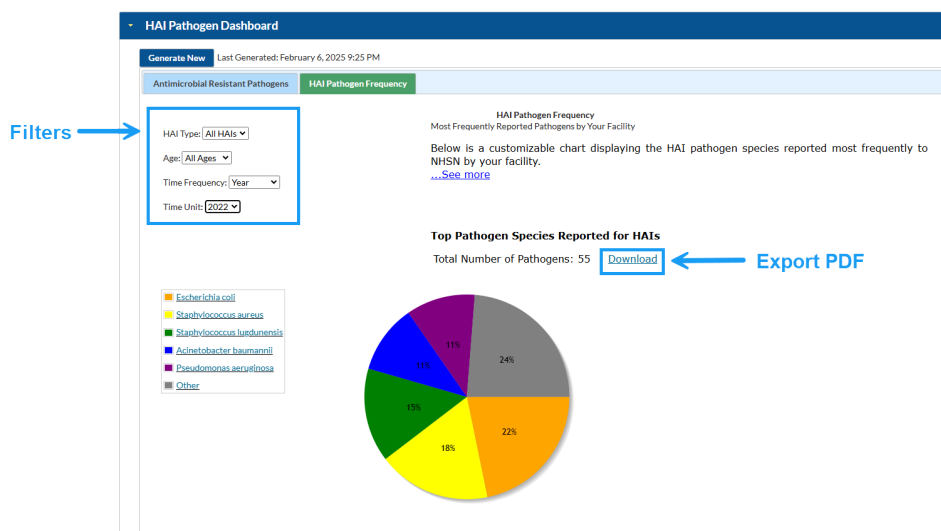
- **Total Number of Pathogen Records Reported This Month** represents a count of the total number of pathogen records reported by the facility in the selected month. All pathogen records are included in this count. In the example above, this facility reported 7 pathogen records in the selected month.
- **Number of Pathogen Records with a USP Reported This Month** represents a count of the number of pathogen records that meet the criteria for any [USP](#) in the selected month. In the example above, this facility reported 2 pathogen records in the selected month.
- **Pathogens Reported with Select Drug Resistance Patterns (Phenotypes)** displays information pertaining to any pathogens reported with [select antimicrobial-resistant phenotypes](#) of public health importance. The table includes four columns: Event ID, Pathogen, HAI Type, and Phenotype. In the example above, this facility reported 3 pathogen records with select antimicrobial-resistant phenotypes: two Methicillin-resistant *Staphylococcus aureus* pathogens and one Carbapenem-resistant *E. coli* pathogen.

 **Tip:** Up to ten pathogen records are included in the data table by default. Use the “Show All” button located beside the table title to view all pathogens with select drug resistance patterns reported in the month of interest.

Users may export the data table contents in PDF format using the “Download” button located beside the table title. The PDF file will include: NHSN logo, date of last dataset generation, date of PDF export, filter selections, and data table contents. The two hero boxes, “Total Number of Pathogen Records Reported This Month” and “Number of Pathogen Records with Select Drug Resistance Patterns (Phenotypes)”, will not be included in the PDF file export.

 **Tip:** Each row in the data table represents a unique pathogen record associated with an HAI event. Users may report up to three pathogens per HAI event; therefore, up to three rows may appear in the data table per Event ID.

## HAI Pathogen Frequency Tab



The HAI Pathogen Frequency Tab, the second tab of this dashboard, includes a pie chart displaying the most frequently reported HAI pathogen species by the facility. The five most frequently reported HAI pathogen species are included in this chart, with all else grouped as “Other”. The total count of pathogens included in the pie chart is displayed beneath

the chart title. In the example above, the facility reported 55 applicable pathogen records: 22% were *Escherichia coli*, 18% were *Staphylococcus aureus*, 15% were *Staphylococcus lugdunensis*, 11% were *Acinetobacter baumannii*, 11% were *Pseudomonas aeruginosa*, and 24% were other pathogens. **Four filter options** are available:

- **HAI Type:** All HAIs, CLABSI, CAUTI, SSI, VAE, VAP, pedVAE, PNEU
- **Age Category:** All ages, Adult, Pediatric
  - For SSI events, patient age at procedure is used to determine age category. For all other event types, inpatient location is used.
- **Time Frequency:** Month, Quarter, Half-year, Year
- **Time Unit:** Dependent on Time Frequency selection
  - For example, if “Year” is selected in the Time Frequency filter, then years will be populated in the Time Unit filter.

Users may export the pie chart in PDF format using the “Download” button beneath the pie chart title. The PDF file will include: NHSN logo, date of last dataset generation, date of PDF export, filter selections, total pathogen count, and pie chart.



## More Information

For any questions or concerns, contact the NHSN Helpdesk using NHSN-ServiceNow at <https://servicedesk.cdc.gov/nhsncsp>. If you do not have a SAMS login, or are unable to access ServiceNow, email the NHSN Help Desk at [nhsn@cdc.gov](mailto:nhsn@cdc.gov) with subject line: HAI Pathogen Dashboard.

## Additional Resources:

[Unpacking Your HAI Pathogen and Antimicrobial Resistance Toolkit](#)