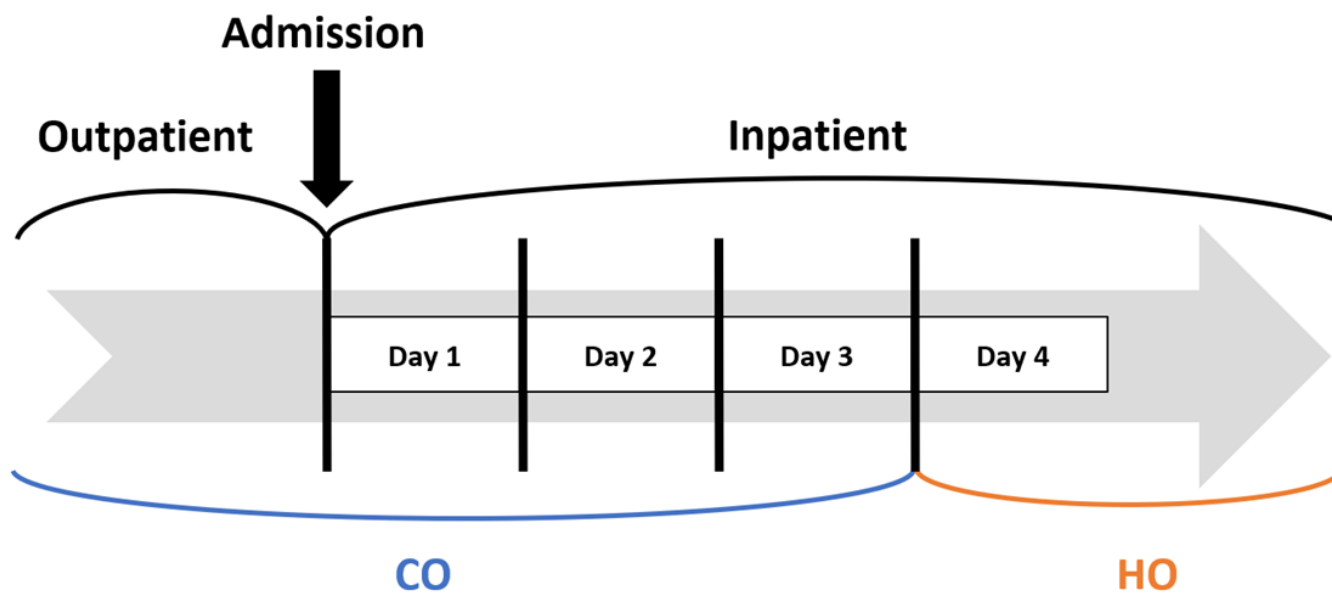


Outpatient Positive Culture Prevalence by Organism Rate Table

Description

The Outpatient Positive Culture Prevalence by Organism Rate Table is one of six incidence and prevalence reports for the Antimicrobial Resistance (AR) Option. This report includes a set of tables that display the calculated prevalence rates for community-onset AR Events reported from all outpatient locations by organism or organism group (also called pathogen or pathogen group), regardless of susceptibility results. NHSN classifies AR Events as hospital-onset (HO) or community-onset (CO) based on the specimen collection date and date of admission (see screenshot below). Facility admission date is considered Day 1. If the specimen was collected in an outpatient location or in an inpatient location on Days 1, 2, or 3, the AR Event is classified as CO. If the specimen was collected in an inpatient location on Day 4 or after, the AR Event is classified as HO. The list of organisms that are eligible for reporting to the AR Option can be found in Appendix F of the [AUR Module Protocol](#).



NHSN calculates the prevalence rate per 10,000 encounters for each organism or organism group using the following formula:

Outpatient Prevalence Rate =

$$\frac{\text{\# Community-onset AR Events from outpatient locations only}}{\text{\# Encounters}} \times 10,000$$

The default settings for the Outpatient Positive Culture Prevalence by Organism Rate Table produce a report by quarter, but users can make modifications to display the data by half-year, year, or cumulative time periods. Users do not have the option to run the report by month. Additionally, NHSN includes



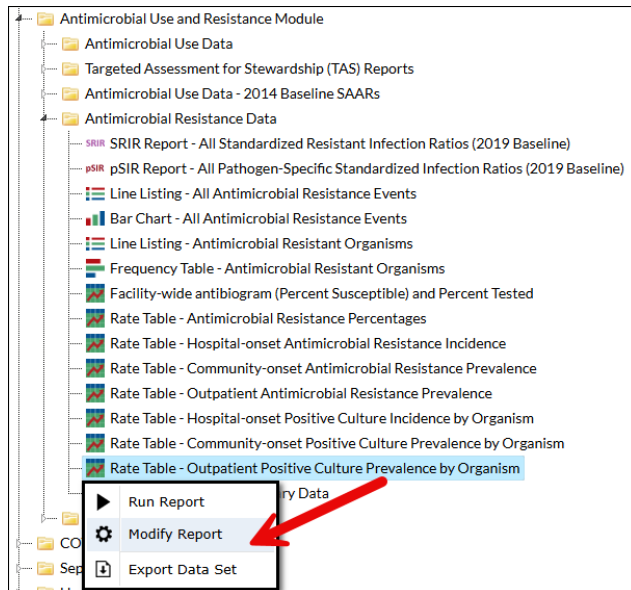
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rates by individual specimen source (blood, cerebrospinal fluid [CSF], lower respiratory specimen [LRS], urine, and skin, soft tissue, wound, and musculoskeletal [SSTWM]) and a combined rate for all specimen sources in the report by default, for a total of six rates per table. The default option will include several rate tables, one for each organism or organism group.

Example

Suppose you want to review the prevalence rates for community-onset Enterobacteriales for 2023-2025 by year for your facility's outpatient locations.

After generating data sets, to run the report, click Analysis > Reports > Antimicrobial Use and Resistance Module > Antimicrobial Resistance Data. After selecting the report, "Rate Table – Outpatient Positive Culture Prevalence by Organism" in this case, a pop-up box will appear that will allow you to **Run Report**, **Modify Report**, or **Export Data Set**. Select **Modify Report** to customize your report.



Modifying the Report

For a general, step-by-step explanation of the NHSN modification screen, please refer to this [How to Modify a Report document](#).

When you choose to modify the report, the modification screen appears showing multiple tabs containing available modifications for the given report. The "Title/Format" tab allows you to update the report title and select the format in which you want the report displayed, such as HTML or PDF. To filter the data by time period, choose the "Time Period" tab at the top of the page. To display data for 2023-2025, select Summary~Yr with a beginning date of 2023 and an ending date of 2025.

Tip: For more descriptive variable labels on your report, check the box "Show descriptive variable names" that appears near the top of the modification window (recommended).



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The “Display Options” tab allows you to pick how you’d like the tables displayed in your final report. For this example, we’d like the tables to display by year, so select Summary~Yr as the Group by value.

Modify "Rate Table - Outpatient Positive Culture Prevalence by Organism"

Show descriptive variable names [\(Print List\)](#) Analysis Data Set: AntibigramRates_OP_ORG Type: Rate Table Last Generated (UTC): January 9, 2026 6:56 PM

Rate Table Options:

Group by: Summary~Yr

Final Report

The example rate table shown below is the result of the modifications shown in this document. The report will display many rate tables; scroll down to the Enterobacterales_expanded table.

Note: This example uses fictitious data for illustrative purposes only.

National Healthcare Safety Network
Rate Table for Prevalence of Outpatient Organism-specific Events (per 10,000 encounters) ¹

As of: February 4, 2026 at 12:23 PM UTC
 Date Range: ANTIBIOGRAMRATES_OP_ORG summaryYr: 2023 to 2025

2 Facility Org ID=33617 pathogenGroup=Enterobacterales_expanded

| Pathogen | Summary Yr | Encounters | Blood Count | Blood Prevalence Rate | CSF Count | CSF Prevalence Rate | LRS Count | LRS Prevalence Rate | Urine Count | Urine Prevalence Rate | SSTWM Count | SSTWM Prevalence Rate | All Specimen Type Count | All Specimen Type Prevalence Rate |
|---------------------------|------------|------------|-------------|-----------------------|-----------|---------------------|-----------|---------------------|-------------|-----------------------|-------------|-----------------------|-------------------------|-----------------------------------|
| Enterobacterales_expanded | 2023 | 1329 | 1 | 7.52 | 0 | 0.00 | 0 | 0.00 | 3 | 22.57 | 0 | 0 | 4 | 30.10 |
| Enterobacterales_expanded | 2024 | 1932 | 7 | 36.23 | 0 | 0.00 | 0 | 0.00 | 2 | 10.35 | 0 | 0 | 9 | 46.58 |
| Enterobacterales_expanded | 2025 | 14170 | 13 | 9.17 | 0 | 0.00 | 3 | 2.12 | 11 | 7.76 | 18 | 12.7 | 45 | 31.76 |

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1. Prevalence: number of community-onset AR Events (events from outpatient locations only) / encounters * 10,000.
 2. Includes Citrobacter spp., Enterobacter spp., E. coli, Klebsiella spp., Morganella morganii, Proteus spp., and Serratia marcescens.
 Data contained in this report were last generated on January 9, 2026 at 6:51 PM UTC to include all data.

1. The title of the report specifies which rates are being displayed. Here, we are looking at the prevalence of outpatient organism-specific events (per 10,000 encounters).
2. NHSN prints out the Facility Organization ID and the organism or organism group being displayed in each table. In this example, we are looking at the rates for community-onset Enterobacterales (expanded). The first column in the table (Pathogen) also displays the organism or organism group.
3. The second column in the table specifies the time period. In the modifications screen, we filtered the time period to only include data from 2023 through 2025, and we specified the report to group the data by year. Each row in the table represents one year starting with 2023 and ending with 2025.
4. The third column in the table specifies the denominator of the rates. For the AR outpatient prevalence rates, the denominator is encounters. In this example, there were 1,329 encounters reported to the facility’s outpatient locations in 2023, 1,932 encounters in 2024, and 14,170 encounters in 2025.
5. Each table will include the number of community-onset AR Events isolated from each of the five specimen sources (blood, CSF, LRS, urine, and SSTWM) as well as a combined count for all specimen sources. In 2023, there was one Enterobacterales isolated from blood, three from urine, and none from CSF, LRS, or SSTWM, for a total of four Enterobacterales reported to the AR Option. In 2024, there were seven Enterobacterales isolated from blood, two from urine, and



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none from CSF, LRS, or SSTWM, for a total of nine Enterobacterales reported to the AR Option. In 2025, there were 13 Enterobacterales isolated from blood, zero from CSF, three from LRS, 11 from urine, and 18 from SSTWM, for a total of 45 Enterobacterales reported to the AR Option.

6. Each table will include rates for each of the five specimen sources (blood, CSF, LRS, urine, and SSTWM) as well as a combined rate for all specimen sources. In 2023, the rate of community-onset Enterobacterales isolated from blood was 7.52 events per 10,000 encounters. The rate for urine was 22.57 events per 10,000 encounters. The rates for CSF, LRS, and SSTWM were 0.00 since no events were isolated from CSF, LRS, or SSTWM. The overall prevalence rate of community-onset Enterobacterales from all specimen sources in 2023 was 30.10 events per 10,000 encounters. In 2024, the rate of community-onset Enterobacterales isolated from blood was 36.23 events per 10,000 encounters. The rate for urine was 10.35 events per 10,000 encounters. No events were isolated from CSF, LRS, or SSTWM, so the rates for CSF, LRS, and SSTWM were 0.00. Across all specimen sources, the overall prevalence rate for community-onset Enterobacterales in 2024 was 46.58 events per 10,000 encounters. In 2025, the rate of community-onset Enterobacterales isolated from blood was 9.17 events per 10,000 encounters. The rate for LRS was 2.12 events per 10,000 encounters. The rate for urine was 7.76 events per 10,000 encounters. The rate for SSTWM was 12.70 events per 10,000 encounters. The rate for CSF was 0.00 since no events were isolated from CSF. The overall prevalence rate of community-onset Enterobacterales from all specimen sources in 2025 was 31.76 events per 10,000 encounters.
7. In the footnotes, you will find the formula for calculating prevalence as well as which organisms are included in the group if there are more than one species. This example includes all *Citrobacter* spp., *Enterobacter* spp., *E. coli*, *Klebsiella* spp., *Morganella morganii*, *Proteus* spp., and *Serratia marcescens* reported to the NHSN AR Option. $\text{Prevalence} = \text{number of community-onset AR Events from outpatient locations only} / \text{encounters} \times 10,000$.

Note: If denominator data (*i.e.*, patient days, admissions, encounters) are not reported for a month, but AR Events were reported for that month, then the AR Events for that month will be excluded from the counts and rates for the rollup (*e.g.*, quarter, half-year, year, cumulative). If denominator data (*i.e.*, patient days, admissions, encounters) are not reported for all three months in a quarter, all six months in a half-year, all 12 months in a year, or at all (cumulative), but AR Events were reported for that time period, then the AR Events will be included in the counts, but both the denominator and rates will be suppressed/appear missing (‘.’).

Additional Resources

- [AR Option Incidence and Prevalence Reports Session from the 2023 NHSN Annual Training: Slides | Recording](#)
- [How to Export Data from NHSN](#)
- [AUR Module Protocol](#)
- [AUR Training](#)
- [NHSN Analysis Quick Reference Guides](#)



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