

Report No Antimicrobial Resistant (AR) Events

Description

This document reviews the process of reporting No Antimicrobial Resistance (AR) events and reviewing the AR Option Summary line list to confirm reporting.

The NHSN application will generate an alert for missing data when a month has passed but the facility has not yet uploaded data for that month. For the AR Option Events, a Missing Events alert will trigger if a facility's reporting plan includes AR for FacWideIN, individual inpatient locations, or any eligible outpatient location (Emergency Department [ED], Pediatric ED, 24-Hour Observation Unit) and the facility uploads AR summary data (specifically, patient days, admissions, or encounters) but does not upload AR events.

When reviewing the alert, you can click the "Report No Events" box to indicate your facility has zero AR events to report for that specific month and location. Clicking the "Report No Events" box verifies that this is in fact a "true zero" for the month and the facility identified no events that met the AR Option reporting criteria. The AR event criteria are very broad, so **we expect most hospitals to have AR events to report each month.**

An AR event contains isolate level antimicrobial susceptibility results for a specific organism. An isolate is defined as a population of a single organism observed in a culture obtained from a patient specimen. The isolate must meet the four criteria below:

1. Must be collected while the patient was in an eligible location (any inpatient location or ED, pediatric ED, or 24-hour observation area).
2. Must be collected from an eligible specimen type: blood, cerebrospinal fluid (CSF), urine, lower respiratory, skin, soft tissue, wound or musculoskeletal.
3. Must be an eligible organism (see General Submission Requirements section in the [AR FAQs](#)).
4. If a bacterial organism is isolated, it must have had antimicrobial susceptibility testing performed for at least one drug. If the organism is *Candida*, no susceptibility testing is required for the isolate to be eligible for reporting.

Please note, your facility should report all eligible isolates that meet the reporting guidelines outlined in the [NHSN AUR Module Protocol](#) to NHSN regardless of the antimicrobial resistance of the isolated organism. This means that even isolates susceptible to all required susceptibility tests are eligible to be reported to the AR Option. If the facility identified AR events for that month, the facility should upload those events to clear the Missing AR Event alert.

Data accuracy and completeness are essential for AR surveillance. In addition to the Missing AR Event alert on the alerts screen, the facility can also view the AR Summary data line list for ongoing data quality assurance. This report includes the "No AR events" variable. For more detailed validation information review our [AR data validation protocol](#).

Example

Suppose you're reviewing AR Summary Data from a six-month period from the fourth quarter of 2024 to the first quarter of 2025. You want to know if there are any months where you did not upload AR events into NHSN.

Review the Monthly Reporting Plan

First review the monthly reporting plan for the six-month time period to verify you had a reporting plan in place for each month.

1. **Click** Reporting Plan then **click** Find.
2. **Select** the month and year for the AR data submission.
3. **Scroll down** to the “Antimicrobial Use and Resistance Module” section of the plan.
4. **Confirm** you have the Antimicrobial Resistance box checked for FacWideIN, individual inpatient locations, and any eligible outpatient locations for each month.

Section 3: Antimicrobial Use and Resistance Module			
	Locations	Antimicrobial Use	Antimicrobial Resistance
	FACWIDEIN - Facility-wide Inpatient (FacWIDEIn)	☒	☒
	ED - EMERGENCY DEPARTMENT	☒	☒
	MEDWARD - MEDICAL WARD_AU	☒	☒
	MICU - MEDICAL CRITICAL CARE	☒	☒
	MEDSURG - MEDICAL SURGICAL WARD	☒	☒

View Missing Event Alerts for AR

Once you’ve confirmed you’ve listed FacWideIN, individual inpatient locations, and any applicable outpatient locations for AR Option reporting in each reporting plan, you’ll review your alerts (see below screenshots).

1. **Navigate** to the Alerts screen by clicking Alerts on the left-hand navigation bar.

NHSN Home	NHSN Patient Safety Component Home Page
Alerts 1	
Dashboard ▶	▶ TAP Strategy Dashboard
Reporting Plan ▶	▶ ARM Dashboard
Patient ▶	▶ TAS Dashboard
Event ▶	▶ HAI Pathogen Dashboard
Procedure ▶	▶ Survey Data Quality Dashboard
Summary Data ▶	▶ Action Items
Hospital Respiratory Data ▶	
Infectious Diseases of Public Health Concern ▶	

2. **Enter** the designated time period. In this example, we're interested in October 2024 through March 2025. Click **Submit**.
3. **Click** alerts specific to AUR.

Cheat Sheets **Dynamic Forms** **Logout**

ALERTS

Select the designated time period.

Include alerts for the following time period:

Beginning: 10/2024 Ending: 03/2025 **Submit** **Clear Time Period**

137 Total

115 AUR **15** Device-Associated (DA) **0** MDRO / CDI

4. Choose the “Missing Events” alerts tab to view all missing event alerts.

Include alerts for the following time period:

Beginning: 10/2024 Ending: 03/2025 **Submit** **Clear Time Period**

Missing Events **Missing Summary Data**

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Event Type	Location Code	CDC Location	Month/Year	Alert Type	Report No Events
AR Event	ED	OUT:ACUTE:ED	01/2025	Summary but no events Add event	☐

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Save **Reset**

An alert on the Missing Events tab means your facility uploaded AR Summary data for a given month but has not yet uploaded AR Events for that month. Please upload AR Events or click the “Report No Events” box if no AR Events were identified for the month.

Months will show up here with the AR Event “Event Type” when the month and location is part of your reporting plan, and you’ve entered AR summary data for that month and location but have not entered any AR events (as shown in the Alert Type column). If you’ve reported AR events for a specific month and location, the month will not appear on the missing AR Events list.

For this example, when viewing the missing event alerts, we note that NHSN lists January 2025 as having summary data but no AR events (see below screenshot) for the ED location. Review this month in your vendor software to confirm whether this is a “true zero” or whether you need to upload reportable AR events.

After reviewing the AR data in the vendor system, we confirm with the stewardship team that the facility had no AR events for this ED location in January 2025.

Include alerts for the following time period:

Beginning: 10/2024 1 Ending: 03/2025 1 [Submit](#) [Clear Time Period](#)

[Missing Events](#) [Missing Summary Data](#)

Event Type	Location Code	CDC Location	Month/Year	Alert Type	Report No Events
AR Event	ED	OUT:ACUTE:ED	01/2025	Summary but no events Add event	1 ☐ ☒

[Save](#) [Reset](#)

An alert on the Missing Events tab means your facility uploaded AR Summary data for a given month but has not yet uploaded AR Events for that month. Please upload AR Events or click the "Report No Events" box if no AR Events were identified for the month.

As shown in the above screenshot above, for January 2025 select the "Report No Events" box next to this alert. Then click "Save." When we save this change, this alert no longer appears for January 2025 as shown in the screenshot below.

Include alerts for the following time period:

Beginning: 10/2024 1 Ending: 03/2025 1 [Submit](#) [Clear Time Period](#)

[Missing Events](#) [Missing Summary Data](#)

No AR Events missing.

An alert on the Missing Events tab means your facility uploaded AR Summary data for a given month but has not yet uploaded AR Events for that month. Please upload AR Events or click the "Report No Events" box if no AR Events were identified for the month.

Note: If your facility did have eligible isolates to report as AR events for a specific month/location, do not check the "Report No Events" box and instead, work with your team to upload AR events from this time period.

Run the Line Listing for all AR Summary Data

For detailed information on how to modify the AR Summary line list, view the [quick reference guide](#) available here.

National Healthcare Safety Network Line Listing for All AR Summary Data

As of: August 12, 2025 at 6:28 PM UTC

Date Range: AR_SUMMARY summaryYQ 2024Q4 to 2025Q1

orgID	CCN	summaryYM	location	numPatDays	numAdmissions	numTotEncounters	noEventAR
13860	TEST22333	2024M12	ED	.	.	579	N
13860	TEST22333	2024M12	FACWIDEIN	2289	486	.	N
13860	TEST22333	2025M01	ED	.	.	579	Y
13860	TEST22333	2025M01	FACWIDEIN	2289	486	.	N
13860	TEST22333	2025M02	ED	.	.	579	Y
13860	TEST22333	2025M02	FACWIDEIN	2289	486	.	N
13860	TEST22333	2025M03	ED	.	.	579	N
13860	TEST22333	2025M03	EMER	.	.	636	N
13860	TEST22333	2025M03	FACWIDEIN	2289	486	.	N

After selecting the "Report No Events" box for ED (outpatient) location for January 2025, the "noEventAR" value is "Y", indicating that this is a true zero.

First generate new datasets. Review the report no event variable (noEventAR) value in the AR Summary line list for all months of interest. Note that the noEventAR variable will equal "Y" to indicate the facility has checked the Report No Events box for that location on the Alert screen. The noEventAR variable will equal "N" to indicate the facility has reported AR Events. The noEventAR variable will be blank if there are no AR events reported, **and** the facility has not yet confirmed that this is a true zero by checking the Report No Events box on the alert screen.

Additional Resources

[AUR Module homepage](#)

[AUR Module Protocol](#)

[How to Resolve AUR Alerts Quick Reference Guide](#)

[AR Event Line List Analysis Quick Reference Guide](#)

[AR Summary Line List Analysis Quick Reference Guide](#)

[AR Option Data Validation Protocol](#)