

NHSN Users Group Meeting

August 27th, 2025



Agenda

- Welcome & Introductions
- Patient Safety Component Updates
 - 2022 Rebaseline
 - Reliability-Adjusted Rankings Dashboard
 - Protocol Updates
 - AUR Module Updates
- Component Retirements
- Vendor/Technical Updates
- Michigan HAI Data
- *Candida auris* Update
- Discussion

Welcome!

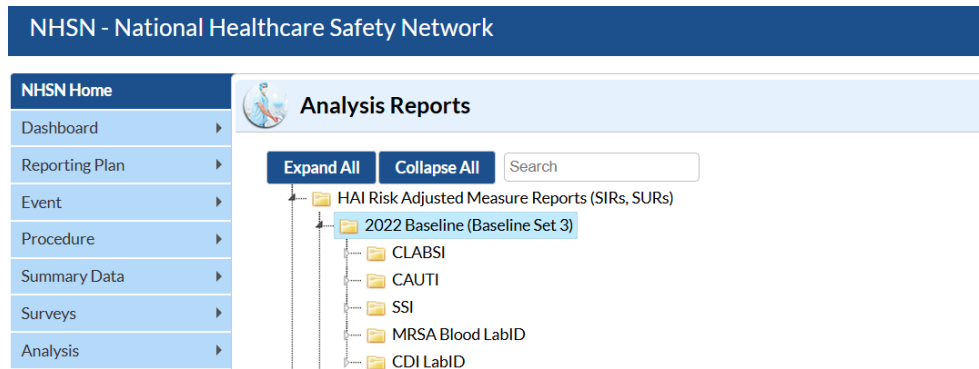
The HAI Epidemiology Unit

- Elli Stier – Unit Manager
- Anne Haddad – AMS Coordinator
- Sarmed Rezzo – LTC Epidemiologist
- Brooke Heidenga – HAI Epidemiologist
- Niki Mach – MDRO Epidemiologist
- Allison Pall – iEC Surveillance Coordinator (EIP)
- Kyle Muchez – NHSN Epidemiologist

Updates

2022 Baseline Data

- Now available for ACHs: CAUTI, CLABSI, CDI LabID
- Location: HAI Risk Adjusted Reports → 2022 Baseline (Set 3)



- Uses updated risk adjustment models
- CMS provided a notice of technical updates for HAI chart-abstracted measures with the new 2022 baseline for both the HAC reduction program and hospital value-based purchasing program. These HAI measures using the 2022 update will begin to be publicly reported on the Compare tool in Fall 2026. [CMS website](#).
- Refer to [‘Which Baseline Should I Use?’](#) fact sheet

2022 Baseline Data



New NHSN reports have been added. Users can now generate SIRs meeting CMS reporting requirements for the following data:

Follow the [NHSN Rebaseline Tracker](#) to stay up to date

- **Acute Care Hospitals (ACH) and Critical Access Hospital (CAH)** - CLABSI, CAUTI, MRSA, CDI and SSI data using the updated 2022 national baseline
- **Long Term Acute Care Hospitals (LTACH)** - CLABSI, CAUTI and CDI CMS reports
- **Inpatient Rehabilitation Facilities (IRF)** - CAUTI and CDI CMS reports
- **PPS-Exempt Cancer Hospitals (PCH)** - SSI using the Complex 30-day Data model and MRSA reports

HAI Type	Acute Care Hospitals (ACHs)	Critical Access Hospitals (CAHs)**	Long-Term Acute Care Hospitals (LTACHs)	Inpatient Rehabilitation Facilities (IRFs)	PPS Exempt Cancer Hospitals (PCH)
SSI (COLO and HYST; Complex 30-day)	X	X	*	*	X
MRSA Blood LabID Event	X	X	*	*	X
CLABSI	X	X	X	*	Coming soon***
CAUTI	X	X	X	X	Coming soon***
CDI LabID Event	X	X	X	X	Coming soon***

*Grayed out boxes indicate no CMS report will be created.

**CAH reports are not mandated by CMS but available for facilities to track data.

***The PCH reports for CLABSI, CAUTI, CDI LabID Event are coming soon and will be available in the NHSN application upon release.

New Data in AR & Patient Safety Portal (AR&PSP)

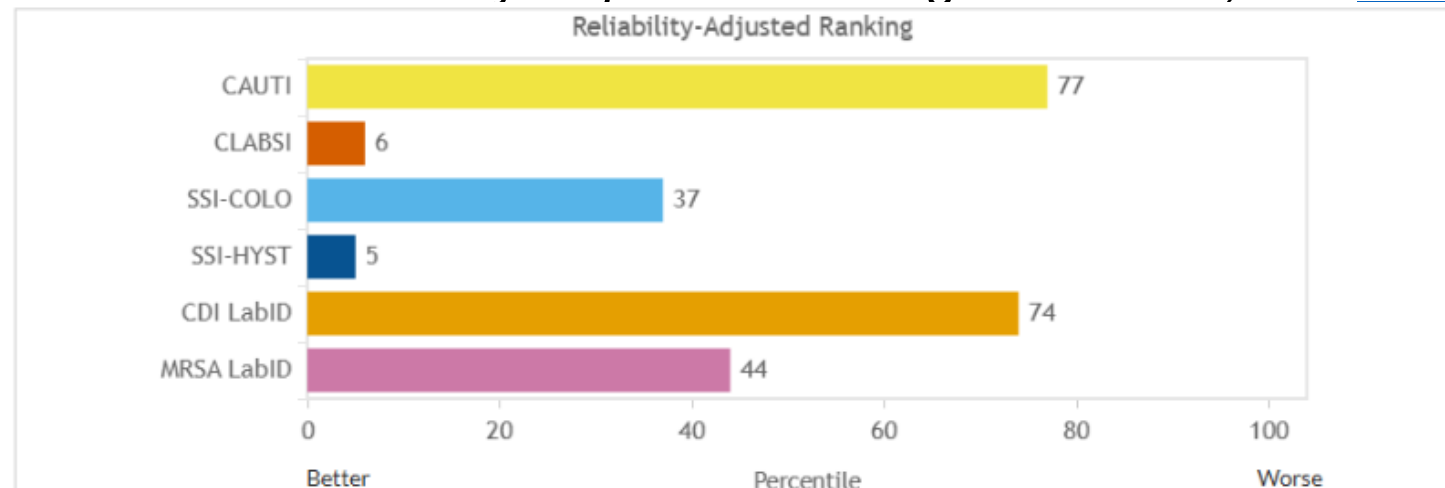


- 2022-2023 **HAI antimicrobial resistance** data added
- [29 AR phenotypes](#) of public health importance aggregated to the national, state, and regional levels
- Custom filtering & visualizations
- [HAI Data Progress Report](#)

Visit <https://arpsp.cdc.gov/> for more

Reliability-Adjusted Rankings Dashboard

- Re-launched on June 21, 2025, for Acute Care Hospitals (ACHs)
- Uses Adjusted Ranking Metric (ARM)
- Lower percentile = Better performance
 - Ex: If your facility rank is 9, your facility is doing better than 91% of facilities after accounting for overall exposure
- Compares similar ACHs by ranking for the same year.
- Available for CLABSI, CAUTI, MRSA, CDI, SSI-COLO, SSI-HYST
- For more on ARM or the Reliability-Adjusted Ranking dashboard, visit [here](#)



Reliability-Adjusted Rankings Dashboard

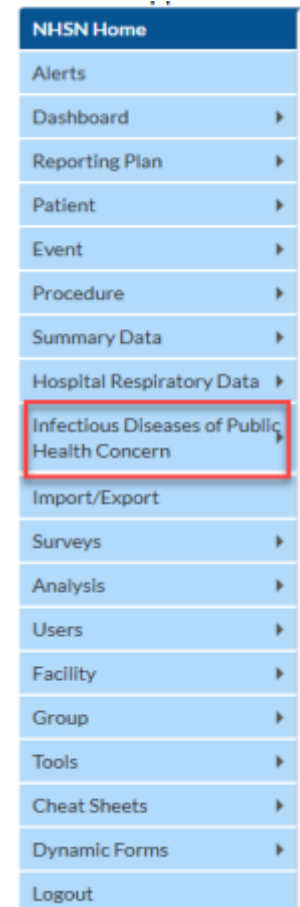


Adjusted Ranking Metric (ARM)	Standardized Infection Ratio (SIR)
Facility comparison to other ACHs in the U.S.	Facility comparison to static national baseline
Adjusts for volume of exposure between facilities as well as risk adjustment	Risk-adjusted for each facility
Calculated annually by NHSN	Scalable measure, with partial control by the individual user
$ARM = \frac{\text{Reliability adjusted \# of events}}{\text{Risk adjusted predicted \# of events}}$	$SIR = \frac{\text{\# of events}}{\text{Risk adjusted predicted \# of events}}$

Protocol Updates: New Optional PSC Module

Infectious Diseases of Public Health Concern Module (IDPHC):

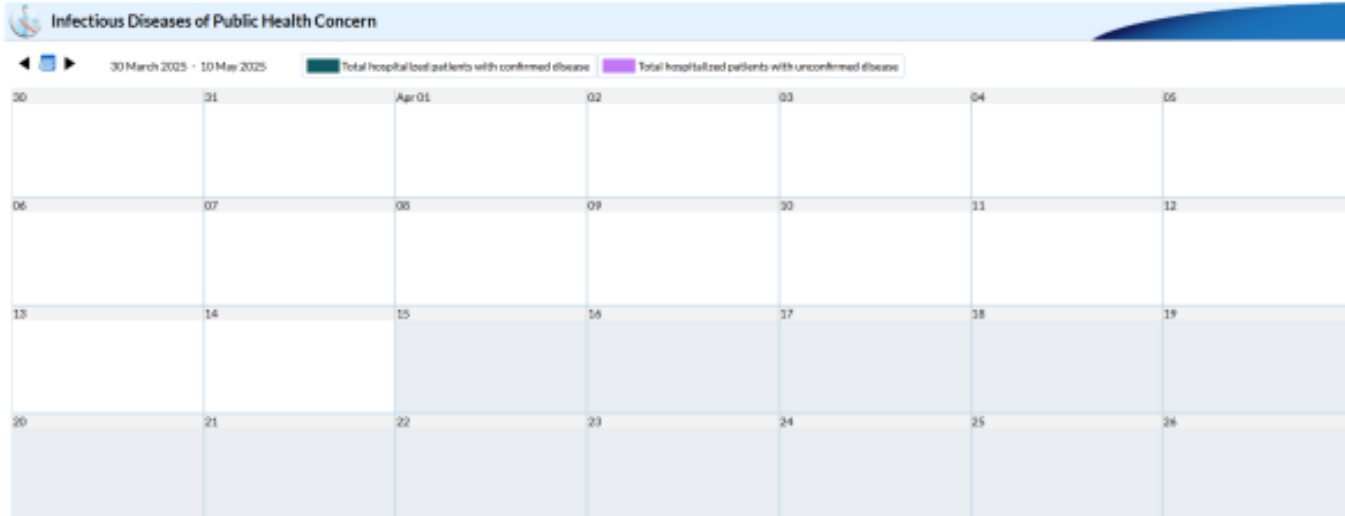
- Tracks high-consequence infectious diseases
 - Crimean-Congo Hemorrhagic Fever
 - Dengue virus
 - Ebola
 - Lassa
 - Measles
 - Mpox
 - Nipah virus
 - Toxigenic *Vibrio cholerae* (confirmed only)
- Manual entry only at this time
 - No CDA/CSV
 - One form is submitted for each disease being reported per day (if no cases of disease to report, no form to submit)
 - Will be a drop-down menu, report "0" for no cases to report
- Optional and **On Hold**
 - Does not replace required State reporting-Still do the mandated reporting!
 - On hold to review for it's utility and potential issues with duplicative reporting



NHSN Home
Alerts
Dashboard ▶
Reporting Plan ▶
Patient ▶
Event ▶
Procedure ▶
Summary Data ▶
Hospital Respiratory Data ▶
Infectious Diseases of Public Health Concern
Import/Export
Surveys ▶
Analysis ▶
Users ▶
Facility ▶
Group ▶
Tools ▶
Cheat Sheets ▶
Dynamic Forms ▶
Logout

<https://www.cdc.gov/nhsn/psc/Infectious-Diseases.html>

IDPHC Module Data Submission



Disease :

Patients with confirmation of disease	Patients with unconfirmed disease
3a. * Total number all hospitalized patients with confirmed disease <input type="text"/>	4a. * Total number all hospitalized patients with unconfirmed disease <input type="text"/>
Adult patients	Adult patients
3b. * Number of new admissions of adult patients with confirmed disease <input type="text"/>	4b. * Number of new admissions of adult patients with unconfirmed disease <input type="text"/>
3c. * All hospitalized adult patients with confirmed disease <input type="text"/>	4c. * All hospitalized adult patients with unconfirmed disease <input type="text"/>
Pediatric patients	Pediatric patients
3d. * Number of new admissions of pediatric patients with confirmed disease <input type="text"/>	4d. * Number of new admissions of pediatric patients with unconfirmed disease <input type="text"/>
3e. * All hospitalized pediatric patients with confirmed disease <input type="text"/>	4e. * All hospitalized pediatric patients with unconfirmed disease <input type="text"/>

AUR Module Updates

- 2025 CMS: AU & AR Surveillance are separate measures
 - See [NHSN AUR Promoting Interoperability Guidance](#)
 - Eligible hospitals must be in active engagement with NHSN
- [2023 AU Option Data Report](#) released
 - SAARs by category and location
- AU data quality outreach
 - Routinely check facility AU data by running the [AU Option Data Quality Line List](#)
- AR Event upload issues resolved
 - All Enterococcus files failing to upload from December 14-January 23
 - All Group B Streptococcus files failing to upload from January 23-30
 - Some skin, soft tissue, wound, and musculoskeletal files failing to upload from January 1-May 29
- AR Option will be updated in June 2026 to accept rapid molecular detection of antimicrobial resistance markers

Component Retirements

- Healthcare Personnel Exposure Modules retired June 2025
- Central Line Insertion Practices (CLIP) Modules removed April 2025, retires Sept 2025
 - Cannot enter 'new' CLIP events, but can still enter prior events dated 3/31/2025 and older
- Historical data still accessible

General NHSN Updates

- SSI procedure code updates

Procedure Code Category	ICD-10-PCS Codes	Procedure Code Descriptions	Code Status
NEPH	0TT00Z0	Resection of Right Kidney, Open Approach, Allogenic	ADD
NEPH	0TT00Z1	Resection of Right Kidney, Open Approach, Syngenic	ADD
NEPH	0TT00Z2	Resection of Right Kidney, Open Approach, Zooplastic	ADD
NEPH	0TT10Z0	Resection of Left Kidney, Open Approach, Allogenic	ADD
NEPH	0TT10Z1	Resection of Left Kidney, Open Approach, Syngenic	ADD
NEPH	0TT10Z2	Resection of Left Kidney, Open Approach, Zooplastic	ADD
OVRV	0U900ZX	Drainage of Right Ovary, Open Approach, Diagnostic	REMOVE

- [Internal Validation Toolkits](#) are available

Vendor/CDA Updates

- June 21, 2025: MDRO/CDI Summary CDA rules updated
- AU SDS v5.1 required for March 2025 data onward
- AR SDS v1.6 optional but encouraged
- CDA automation participation now over 9,600 facilities
 - Visit [here](#) for more on DIRECT CDA Automation
- [AUR SDS Validation](#)
- The Guide to CDA Versions is available on the [CDA Portal Implementation Toolkits & Resources](#)
- [Vendor Webinars and Training Videos](#)

Vendor/CDA Updates

- Guide to CDA Versions

Events or Denominators	2025	2024	2023	2022
CDA Toolkit Release	<u>13.1</u>	12.2	11.1	10.1
DIALYSIS				
Dialysis Event	R3-D4	R3-D4	R3-D4	R3-D4
Dialysis Denominator	R3-D3	R3-D3	R3-D3	R3-D3
EVENTS				
Primary Bloodstream Infection (BSI)	R4-D1	R4-D1	R4-D1	R3-D3
Central Line Insertion Practices Adherence (CLIP) Monitoring	R2-D2.1	R2-D2.1	R2-D2.1	R2-D2.1
Urinary Tract Infection	R4-D1	R4-D1	R4-D1	R2-D1.1
Laboratory-identified (LabID) MDRO or CDI Event	R2-D2.1	R2-D2.1	R2-D2.1	R2-D2.1

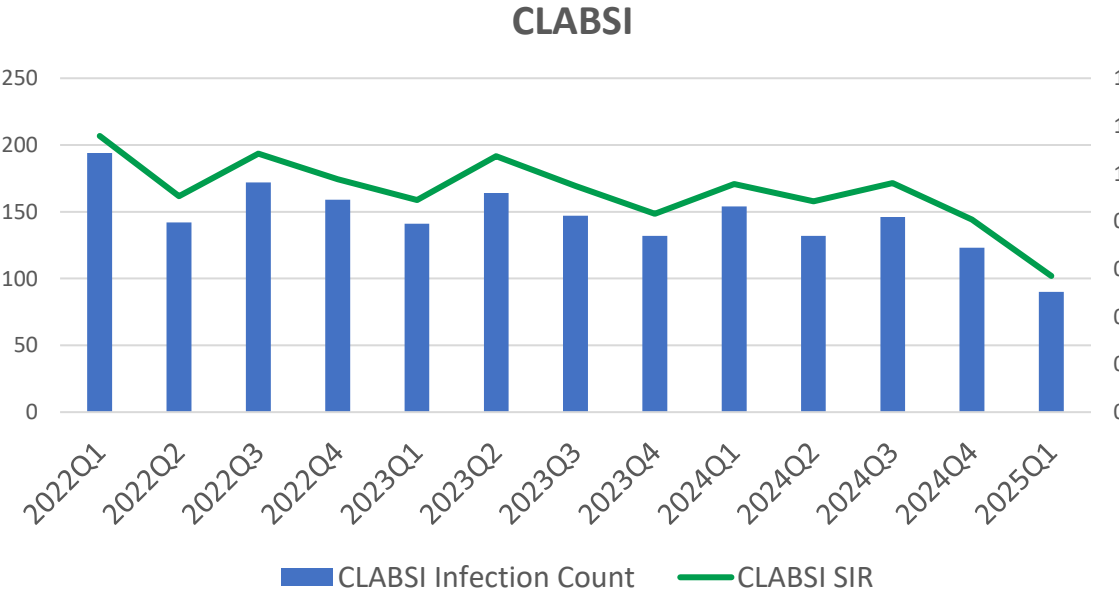
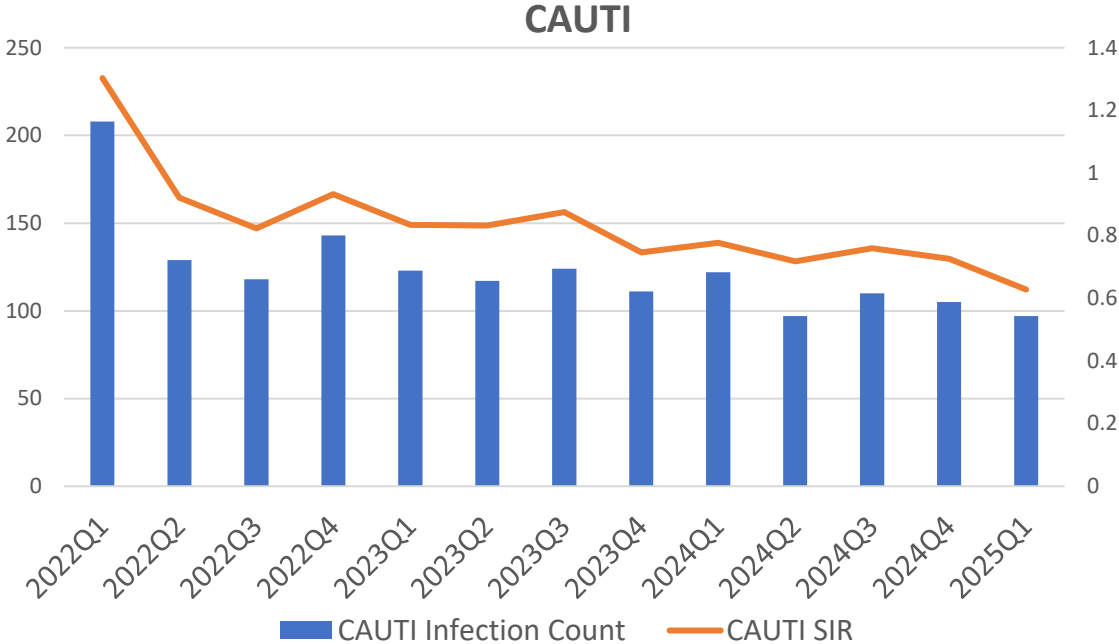
NHSN HAI Data

2022 Baseline

NHSN Surveillance Data: Device-Associated Events

summaryYQ	CAUTI Infection Count	CAUTI SIR	CLABSI Infection Count	CLABSI SIR
2022Q1	208	1.303	194	1.158
2022Q2	129	0.921	142	0.906
2022Q3	118	0.823	172	1.084
2022Q4	143	0.933	159	0.977
2023Q1	123	0.834	141	0.889
2023Q2	117	0.832	164	1.073
2023Q3	124	0.875	147	0.949
2023Q4	111	0.747	132	0.832
2024Q1	122	0.777	154	0.957
2024Q2	97	0.718	132	0.884
2024Q3	110	0.760	146	0.960
2024Q4	105	0.726	123	0.808
2025Q1	97	0.628	90	0.571

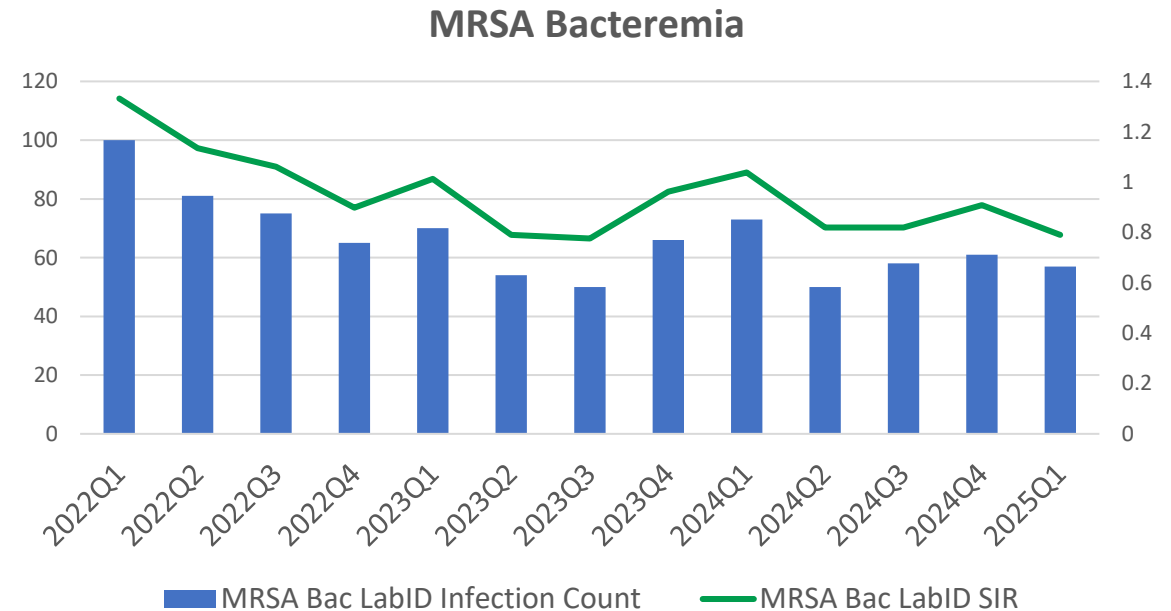
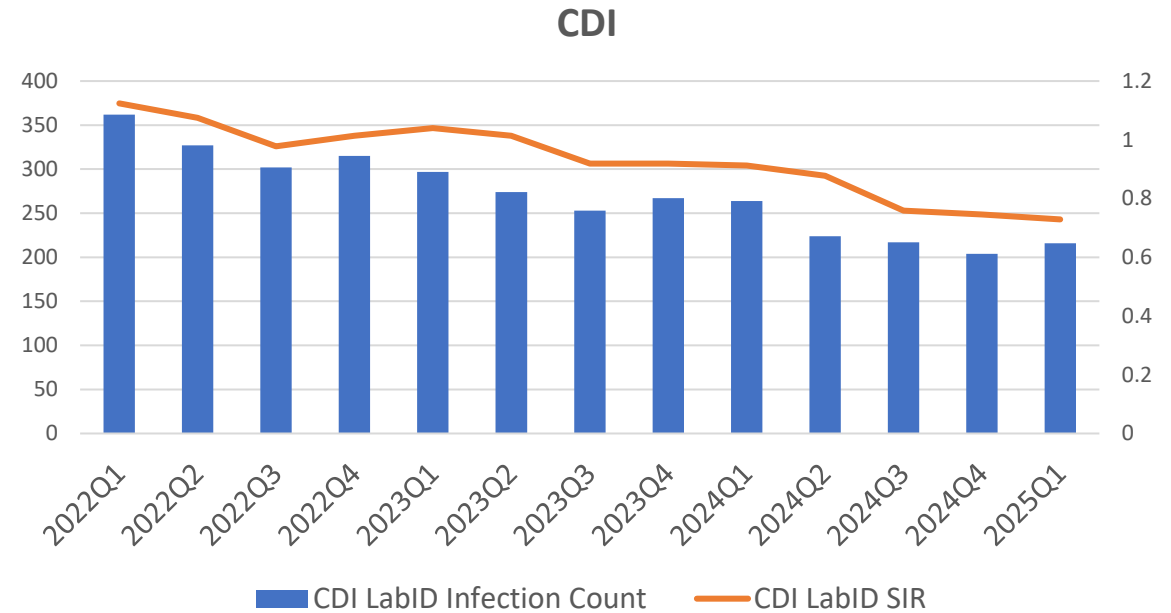
Data for Acute Care Hospitals only. Data are subject to change. Data current as of August 18, 2025.



NHSN Surveillance Data: MRSA Bacteremia and CDI LabID Events

summaryYQ	CDI LabID Infection Count	CDI LabID SIR	MRSA Bac LabID Infection Count	MRSA Bac LabID SIR
2022Q1	362	1.124	100	1.332
2022Q2	327	1.075	81	1.135
2022Q3	302	0.978	75	1.061
2022Q4	315	1.014	65	0.899
2023Q1	297	1.040	70	1.013
2023Q2	274	1.014	54	0.790
2023Q3	253	0.919	50	0.776
2023Q4	267	0.919	66	0.962
2024Q1	264	0.913	73	1.038
2024Q2	224	0.878	50	0.820
2024Q3	217	0.759	58	0.819
2024Q4	204	0.746	61	0.909
2025Q1	216	0.729	57	0.791

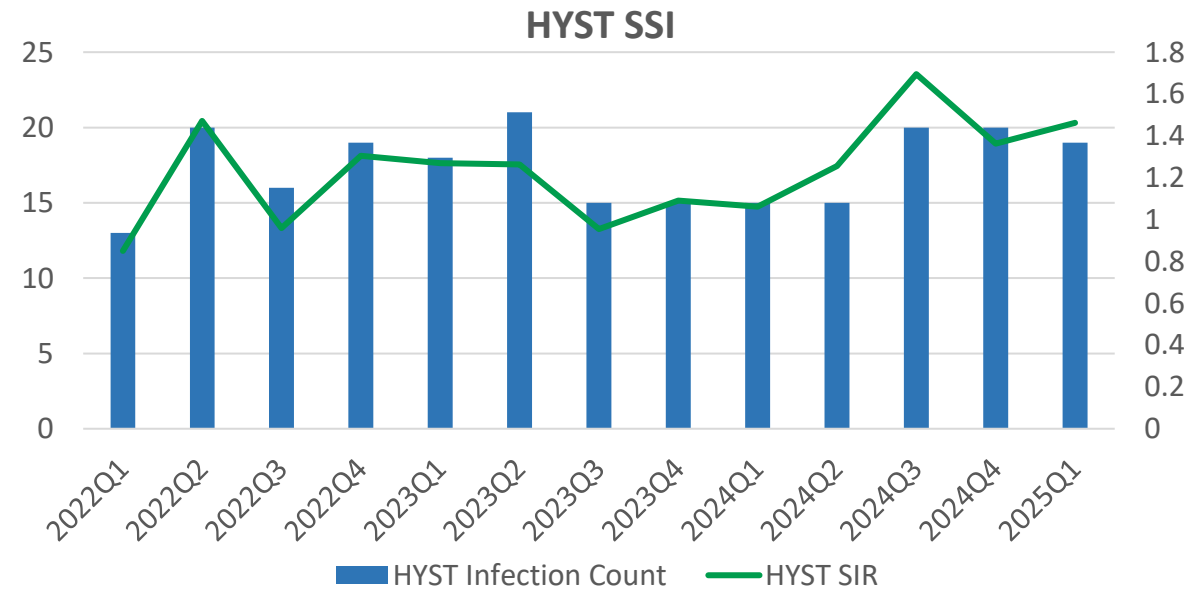
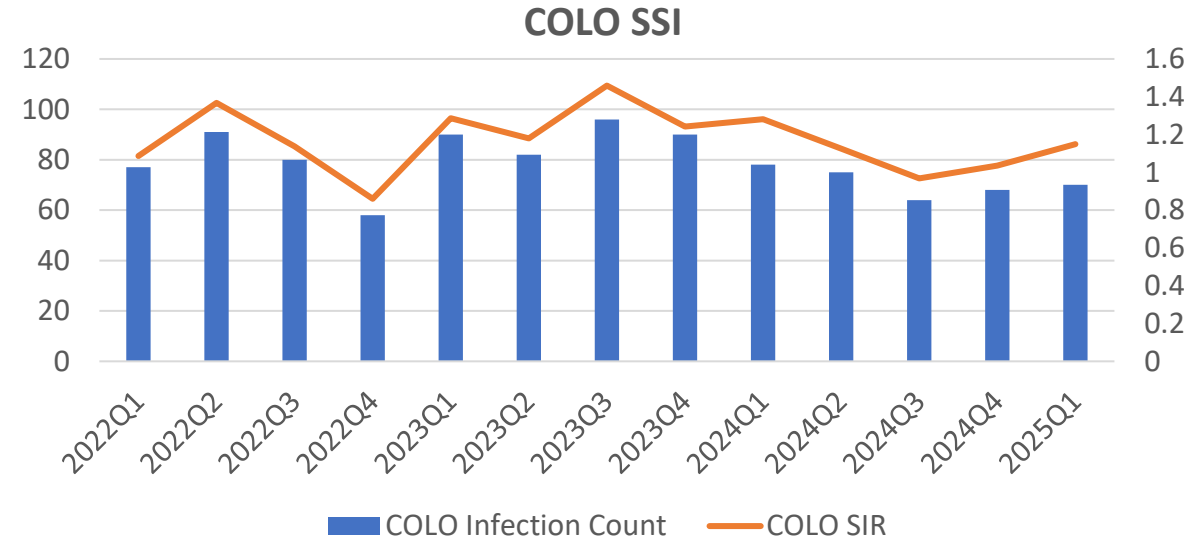
Data for Acute Care Hospitals only. Data are subject to change. Data current as of August 18, 2025.



NHSN Surveillance Data: Procedure-Associated Events

summaryYQ	COLO Infection Count	COLO SIR	HYST Infection Count	HYST SIR
2022Q1	77	1.086	13	0.85
2022Q2	91	1.367	20	1.472
2022Q3	80	1.138	16	0.959
2022Q4	58	0.860	19	1.305
2023Q1	90	1.287	18	1.270
2023Q2	82	1.179	21	1.264
2023Q3	96	1.459	15	0.954
2023Q4	90	1.242	15	1.091
2024Q1	78	1.281	15	1.061
2024Q2	75	1.126	15	1.255
2024Q3	64	0.968	20	1.695
2024Q4	68	1.035	20	1.363
2025Q1	70	1.149	19	1.462

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Candida auris Update

Candida auris Update

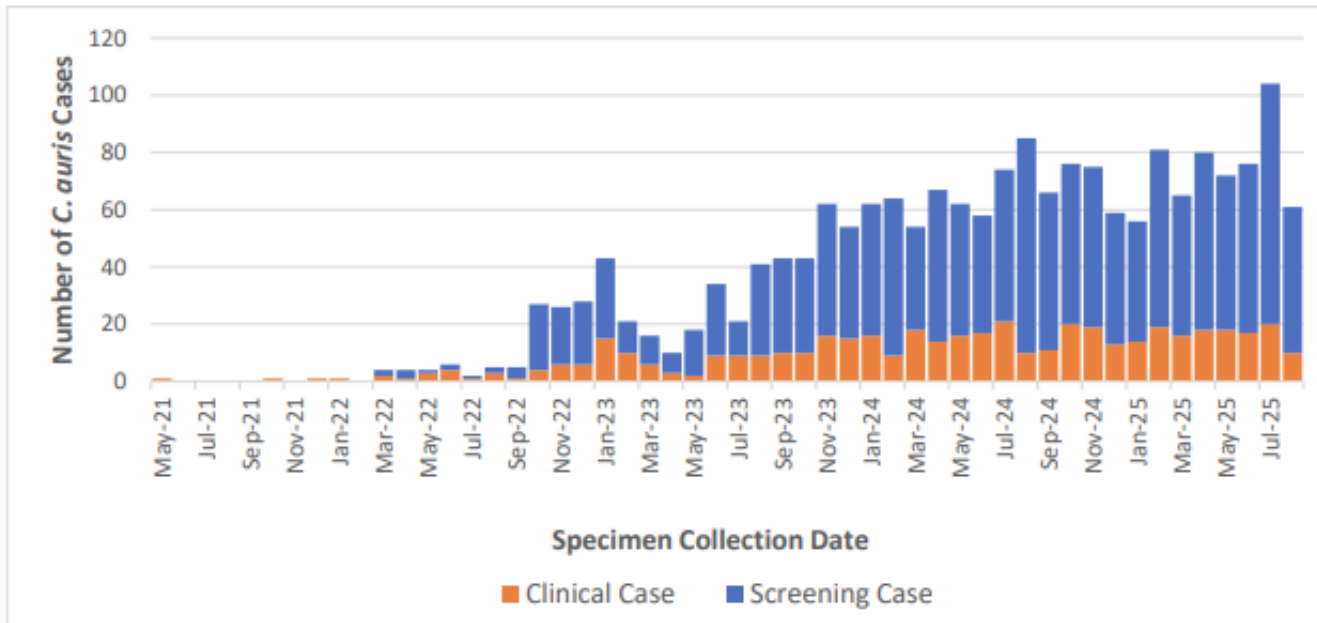
Candida auris Surveillance Report August 25, 2025



Michigan *C. auris* Case Count: Total Cases **1,918** Clinical Case **465** Screening Case **1,453**

Cases initially identified as screening cases that later develop a positive clinical culture will solely be reported as a clinical case to avoid double counting the same individuals.
166 individuals converted from a screening to clinical case.

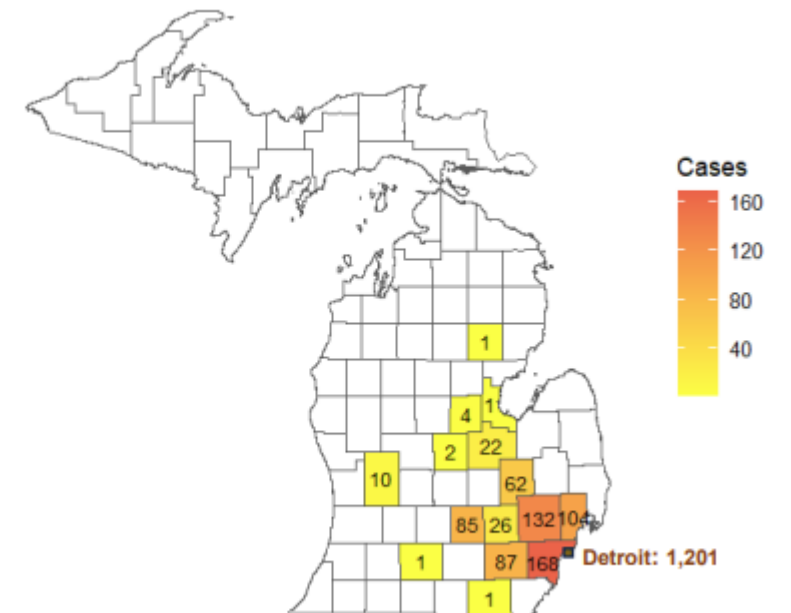
Fig 1. *Candida auris* Cases in Michigan by Case Type^a, 2021 – August 25, 2025



www.Michigan.gov/hai

Candida auris Screening Guidance

Fig 2. Jurisdiction of Health Care Facility at *C. auris* Case Detection^b



11 cases reported from out-of-state facilities.

Reminders

- Complete the 2024 Annual Hospital Survey early to support accurate SAAR adjustment

Questions & Discussion

Click the link or scan the
QR code to participate!

- [EasyRetro Group Discussion](#)
- Password
 - **51ac54**



Upcoming Trainings/Webinars

September 16th, 2025, 1p EST

- [APIC: Practical considerations for the design/implementation of a Candida auris surveillance program](#)

September 30th, 2025, 1p EST

- [APIC: Terminal sterilization versus high-level disinfection-Problem, Solution, Clinical Efficacy, Clinical Benefit](#)

October 2nd, 2025, 1p EST

- [APIC: From design to decontamination: The process behind creating a reprocessing instructions for use](#)

October 8th, 2025, 1p EST

- [APIC: The last mile of endoscope reprocessing drying and storage](#)

October 19th-25th, 2025

- [International Infection Prevention Week!](#)

Resources

- [2022 NHSN Rebaseline webpage and resources](#)
- AR & Patient Safety Portal: arpsp.cdc.gov
- Patient Safety Component:
<https://www.cdc.gov/nhsn/pdfs/pscmanual/2025-psc-summary-508.pdf>
- Outpatient Procedure Component:
<https://www.cdc.gov/nhsn/pdfs/opc/2025-opc-summary-508.pdf>
- Neonatal Component:
<https://www.cdc.gov/nhsn/pdfs/neonatal/losmen/2025-losmen-summary-508.pdf>
- NHSN Helpdesk: NHSN@cdc.gov

Thank you!

Next meeting:
October 22nd, 2025
10-11a EST

