National Center for Emerging and Zoonotic Diseases



Fall 2025 NHSN Vendor Webinar

November 21, 2025

Agenda

- Introduction
- General NHSN Release Overview
- NHSN Release Updates
- NHSN FHIR Implementation Updates
 - NHSN Glycemic Control Module
 - NHSN Long-term Care Antimicrobial Use Module
- New Claims Data Module
- Inclusion of "Missing" as a Sex Field Reporting Option
- AUR Module Updates
- NHSN Pre-Production Test Site (NPPT)
- Miscellaneous
- Q&A

Introduction

Andrea Benin

Mission of CDC's Division of Healthcare Quality Promotion (DHQP)

To protect patients; protect healthcare personnel; and promote safety, quality, and value in both national and international healthcare delivery systems.



Vision... A Hands-Free Future for Reduced Burden



Current State: Electronic

- Electronic data flows to NHSN via HL7 CDA payloads via APIs or uploads.
- NHSN also allows for manual webform data entry.

Near Future: Fully Automated



- Electronic data flows automatically, hands-free to NHSN via FHIR APIs using USCDI defined data elements and HL7 NHSN FHIR Implementation Guides.
- CDA and webform entry are still supported for certain circumstances.





dQMs in Development	
Adult Sepsis Mortality	Patient Level AUR (Antibiotic Use and Resistance)
Hypoglycemia	Hyperglycemia
HOB (Hospital onset bacteremia and fungemia)	HAKI (Hospital Onset Acute Kidney Injury)
RPS (Respiratory Pathogen Surveillance)	ORAE (Opioid-Related Adverse Events)
HT-CDI (Healthcare facility onset, antibiotic treated Clostridioides difficile infection)	LOS/MEN (Late-Onset Sepsis/Meningitis)
VTE/Anticoagulant-related Bleeding	Long-term Care AU
NVHAP (Non-Ventilator Healthcare Associated Pneumonia)	

General NHSN Release Overview

Pamela Crayon

NHSN Release Schedule Overview

- Annual release major release at the end of the year
 - Changes included:
 - Protocol changes
 - Transition to new CDA versions due to protocol changes
 - Effective January 1st of each year

Quarterly releases

- May include:
 - New Component/Module
 - Minor change requests
 - Defect resolutions
 - Infrastructure maintenance and support
- Users notified via message alert when logging into NHSN

Monthly releases

- May include:
 - Minor change requests
 - Defect resolutions
 - Infrastructure maintenance and support

NHSN Release Roadmap for Vendors

December 13, 2025 14.0.0 March 19, 2026

14.1.0

June 25, 2026

14.2.0

September 24, 2026

14.3.0

Annual Survey Updates

Annual Code Updates

Add "Missing" Option to SEX Variable

Healthcare Claims Data

R3-D4 Update:

- DIAL: Add Option, Catheter-Graft Hybrid

R4-D1 Update:

- BSI: Revise Birthweight Rules

R4-D4 Implementation:

- PS: Update AR Option Event, CIDT results
- PS: Update AR Summary Option

R4-D4 Implementation:

- PS: Update UTI Option
- PS: UTI: Add Neurogenic Bladder Field

NHSN will be deploying CDA updates in the NPPT environment with the different releases to give the vendors time to develop and test throughout the year.

NHSN Release Updates

Pamela Crayon

Release Updates

• 13.2.0 – June 21, 2025

- MDRO/CDI Summary Business Rules Update: The CDA business rules have been updated for MDRO/CDI Summary to accept MDRO values sent in CDA for number of patient days and admissions.

13.3.0 – September 27, 2025

- CLIP Measure Retirement: For the Patient Safety and Dialysis components, the CLIP Measure has been retired as of 9/27/2025. Users will no longer be able to add or edit CLIP events via the UI or submit CLIP events via CDA. Users will be able to view previous CLIP events in the NHSN application.
- R3-D3 Update: Remove Dialyzer Reused Question: The question, "Number of patients for whom dialyzers are reused", has been removed as a field option for the Dialysis Denominator CDA file. Files imported with summary dates for 1/1/2024 and later with the presence of this field will be rejected and will result in a validation error.

Future Release Updates

- 14.0.0 Planned for December 13, 2025, Effective January 1, 2026
 - 'Patients <= 1 year old' Business Rule Update: Currently, the business rule for patients <= 1 year of age will capture age specific events in patients < 2 years of age. This is not the intent of the surveillance definitions for patients <= 1 year of age. The business rule will be changed to patients <= 365 days of age effective 1/1/2026 and forward.
 - Birthweight Rules Update for BSI Events: The business rule to capture BSI events in neonates will be updated to allow neonates with birthweight >= 150 grams and <= 7000 grams to be effective for events dated 1/1/2026 and forward.
 - Add Mycoplasma organisms as Pathogen options for Pneumonia: Mycoplasma organisms will now be available for selection in the Pathogens dropdown list for PNU2 and PNU3 events upon the selection of the Laboratory element "Virus, Bordetella, Legionella, Mycoplasma or Chlamydia identified from respiratory secretions or tissue."
 - 57.502 Dialysis Event Surveillance Form Updates for 2025 Catheter-Graft Hybrid CDA Update: The capability to submit the vascular access type, Cathether-Graft Hybrid, via CDA will now be available effective 1/1/2026.

NHSN FHIR Implementation Updates

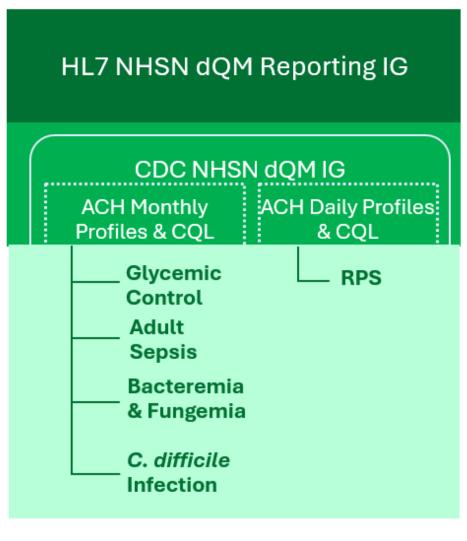
Sami Petersen

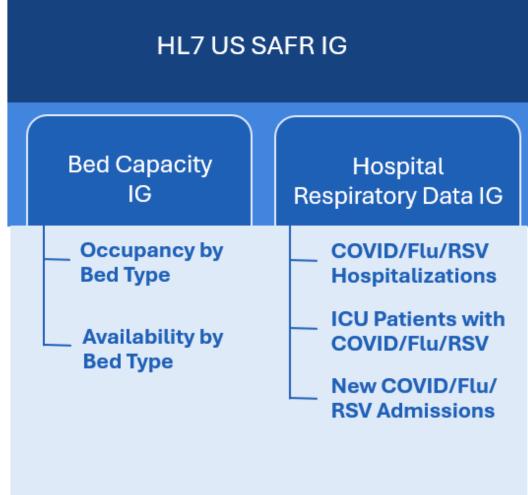
Surveillance and Quality Measurement

Situational Awareness

HL7 balloted Framework IGs NHSN Content Package IGs

NHSN Protocols and metrics





Patient-level Data

Aggregate Data

NHSN FHIR dQM Implementation Guides Released!

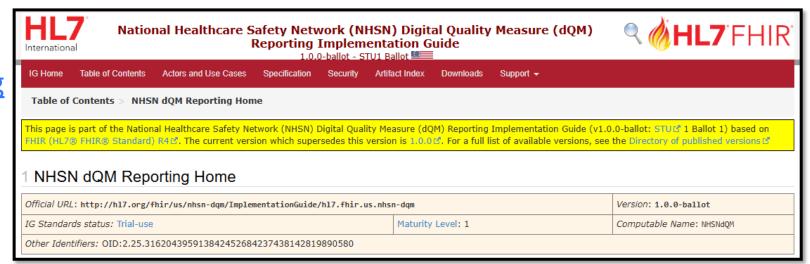
HL7 NHSN dQM Reporting Implementation Guide v1.0.0

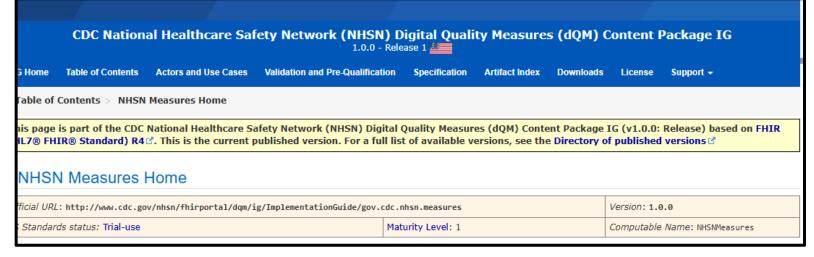
hl7.org/fhir/us/nhsn-dqm/2024Sep

Overall framework for dQMreporting

CDC NHSN dQM Content Package IG v1.0.0

Measure-specific information



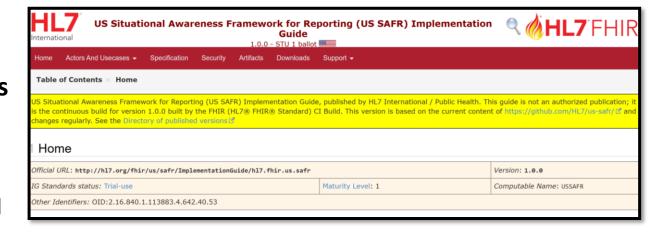


US Situational Awareness Framework for Reporting (US SAFR IG)

 Unified, FHIR-based framework for standardized, automated reporting of healthcare capacity & situational awareness data across United States

Connectathons

- January 2025 HL7 FHIR: Successfully exchanged FHIR MeasureReports for Bed Capacity and Hospital Respiratory Data use cases.
- June 2025 Helios: Successfully tested in Aidbox (v2504.0) \$validate and POST/create operations performed as expected
- Currently undergoing HL7 ballot reconciliation



https://build.fhir.org/ig/HL7/us-safr/

NHSN FHIR dQM Readiness Web Page Live!

- NHSN FHIR dQM Readiness
 - Links to NHSN FHIR dQM IGs
 - Requested *FHIR APIs*
 - Key Action Items for Reporting FHIR dQMs to NHSN
 - Key Data Elements and Terminology Standardizations for NHSN dQMs

NHSN Digital Quality Measures | NHSN | CDC

NHSN FHIR Implementation Updates NHSN Glycemic Control Module

Ana Mendoza

NHSN Medication Safety Component (MSC) NHSN Glycemic Control Module (Hypoglycemia)

 Purpose: Establish a vendor-neutral, FHIR digital measure standard for reporting patient-level, linked medication and blood glucose data electronically to CDC's NHSN.

Definitions:

- Primary metric: Rate of severe medication-related hypoglycemia events (blood glucose <40 mg/dL) in hospitalized* patients receiving hypoglycemic medications

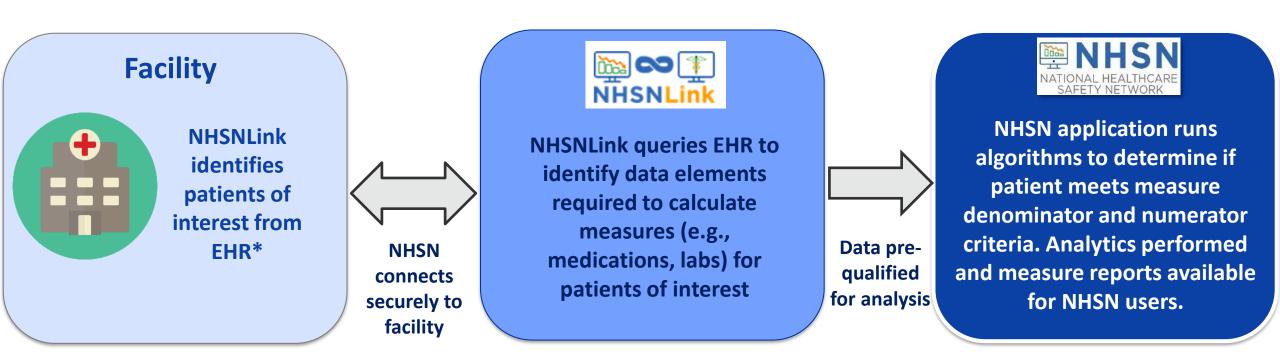
Key Data Elements: Laboratory, Medications

NHSN Glycemic Control Module, Hypoglycemia

- Release to selected U.S. hospitals participating in the NHSNCoLab September 27, 2025 and to early adopters in 2026 (anticipated) within the new Medication Safety Component (MSC)
- Requires EHR vendors to enable reporting via <u>FHIR APIs</u>:
 - FHIR R4 (or later)
 - Conformance to US Core IG v3.1.1 (moving to US Core 6.1.0 and QI Core 6.0.0 in 2026)
 - No option for CDA or manual reporting
- Supported by two Implementation Guides (IG)
 - CDC NHSN dQM Content Package IG
 - HL7 NHSN dQM Reporting IG

www.cdc.gov/nhsncolab
hl7.org/fhir/R4
hl7.org/fhir/us/core/STU3.1.1
hl7.org/fhir/us/core/STU6.1
hl7.org/fhir/us/qicore/STU6
hl7.org/fhir/us/nhsn-dqm/2024Sep/index.html
www.cdc.gov/nhsn/fhirportal/dqm/ig

NHSN FHIR dQMs: Process Flow from EHR to NHSN



NHSN Glycemic Control Module: Requested FHIR Resources

- Data will be collected for all inpatients with an inpatient/ED/Observation encounter status or *location* during the measurement period.
- The facility's FHIR endpoint can expose only selected, pre-specified FHIR resources that are invoked upon permission from the facility's server and data access can be controlled on a FHIR resource-by-resource basis.
- "All" indicates that all the data elements within that FHIR resource will be initially retrieved by NHSNLink from the EHR. "Selected" indicates that only selected data elements within that FHIR resource will be initially retrieved by NHSNLink from the EHR. Further filtering of data elements occurs during execution of the dQM logic.

FHIR Resource (Present in US Core Profile?)*	Data Elements
Condition (US Core)	All
Coverage	All
Encounter (US Core)	All
Location (US Core)	All
Medication (US Core)	All
MedicationAdministration	All
MedicationRequest (US Core)	All
Observation, Laboratory result (US Core)	Selected
Patient (US Core)	Selected
ServiceRequest	All
Specimen	All
*Passed on hIZ arg/fhir/us/core/STLI2 1 1	22

*Based on: hl7.org/fhir/us/core/STU3.1.1

NHSN FHIR dQMs: Vendor Action Items

01

Enable FHIR R4 APIs required for reporting NHSN dQMs

Review hospital license to ensure all APIs are available and complete for public health-reporting

02

Expose

MedicationAdministration Resource

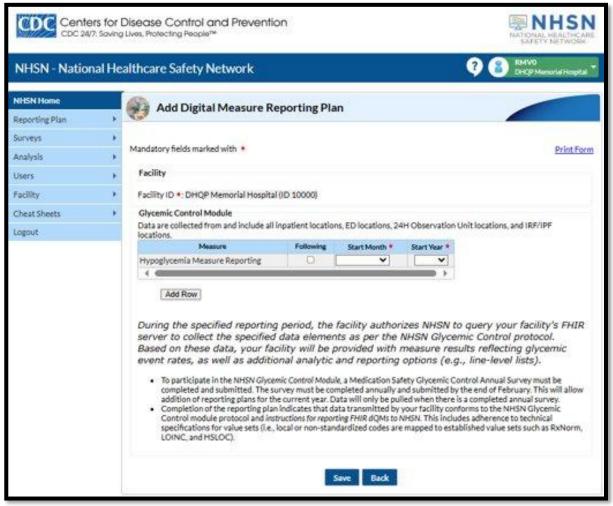
This resource <u>must</u> be present for reporting dQMs to NHSN

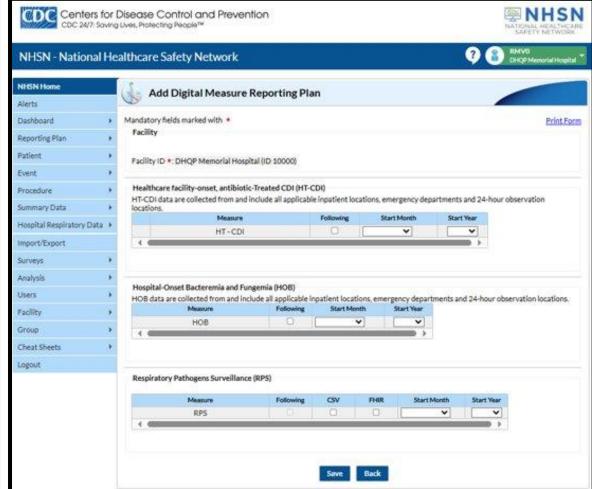
03

Ensure compliance of all FHIR data elements with standardized terminology; especially:

- Encounter
- Medications*
- Observation
- Specimen

NHSN Digital Measure Reporting Plans





Digital Measure Reporting Plan (DMRP)

- Digital Measure Reporting Plan (DMRP)
 - Form in NHSN application where facility selects the digital measures for which data will be pulled/measure reports generated
 - Located in Medication Safety and Patient Safety components
 - Will be completed by NHSNCoLab facilities during pilot phases and by early adopters as part of their onboarding process
 - (Proposed) DMRP data will be used by:
 - NHSNLink to verify enrollment in the digital measure prior to generating the FHIR bundles for the facility
 - NHSN data pipeline to filter data and provide analysis reports for the followed measures

NHSN FHIR Implementation Updates NHSN LTC Antimicrobial Use Module

Molly Stillions Prosper

Long Term Care (LTC) Antimicrobial Use (AU) Module

• **Purpose:** Establish a vendor-neutral, FHIR digital measure standard for reporting resident-level, antimicrobial use data to CDC's NHSN

Goals:

- Support LTC antimicrobial stewardship efforts
 - Minimize burden on LTC staff and facilities of collecting and reporting AU data
 - Provide accurate, actionable and targeted data to improve resident care
- Track and report LTC AU rates nationally
- Establish risk-adjusted LTC AU benchmarks

Long Term Care (LTC) Antimicrobial Use (AU) Module (cont.)

Overview

- FHIR dQM: direct reporting from the EHR FHIR endpoint via FHIR APIs
- Requires FHIR R4 (or later), conformance with US Core 6.1.0
- Monthly data pull for <u>resident-level</u> data for medication orders and/or administrations and supporting data elements

Status

- Undergoing pilot with 2 NHSNCoLab LTC sites to establish feasibility and proof-of-concept
- Planned go-live for "FHIR-ready" LTC sites: 2027 (tentative and pending NHSN development timelines)

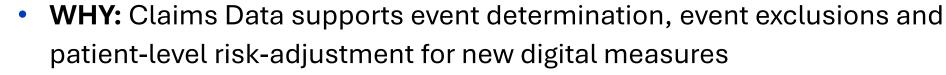
New Claims Data Module

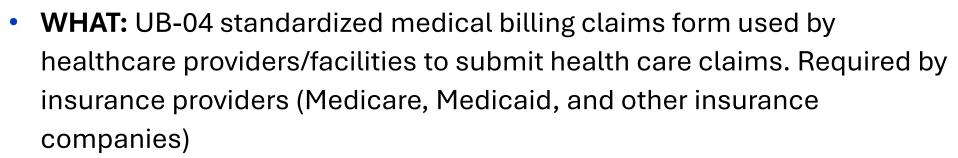
Henrietta Smith/ Kristina Betz

New Claims Data Module















- WHO: Multiple categories of staff at a hospital may need to be involved in reporting. Consenting Admin (e.g., CEO), Implementers (e.g., IT), Submitters (e.g., IP), and Facility-Vendor Liaison (e.g., Hospital Admin)
- **WHEN:** Beginning early 2026, all hospitals will have the option to voluntarily report claims data
- HOW: Data will be reported via CSV

Add "Missing" as a Sex Field Reporting Option

Jennifer Watkins

Background

NHSN changed data collection across all components to comply with Executive Order 14168, "Defending Women from Gender Ideology Extremism and Restoring Biological Truth to the Federal Government":

- Implemented "Sex" as a data collection field
 - Implemented "Female (F)" and "Male (M)" as the only response options for the "Sex" field
- Removed all fields labeled as any other sex categories and all fields related to gender/gender identity

Upcoming Change – Add "Not Available/Missing" as a Sex Field Reporting Option

NHSN received feedback from customers and vendors that for some patients a value of "Female" or "Male" is not available in the EHR, so they are unable to provide a response for the "Sex" field.

NHSN will be adding "Not Available/Missing" as a reporting option for the "Sex" field for patients that do not have data that represents "Female" or "Male" available in the EHR.

NHSN Application Changes Moving Forward

User Interface – Add Patient/Event/Procedure

- Dropdown values are "F Female", "M Male",
 "N Not Available/Missing"
- "N Not Available/Missing" represents that a value of "Female" or "Male" is not available in the medical record

User Interface – View Patient/Event/Procedure

 Sex field will only display values of "Female" or "Male" or "Not Available/Missing"

User Interface – Edit Patient/Event/Procedure

When editing a previously saved record, a user can choose from the valid values: "F - Female" or "M – Male" or "N – Not Available/Missing"

CSV Import

- Valid values for Sex are "F" or "M" or "N"
- Error message will be displayed if "Sex" is not entered on import
- Error message will be displayed if "Sex" is not entered as "F" or "M" or "N"

CSV Export

 Existing, historical data in CSV Export will display "Sex" as "Female", "Male", or "Not Available/Missing"

Data Analysis and Reports: Changes and Impacts

- What changed?
 - Updated variable "Sex"
 - Valid values are "Female", "Male", or "Not Available/Missing"
- Analysis Reports will display Sex as "Female", "Male", or "Not Available/Missing"
 - The universal exclusion criteria due to sex will be set to "Yes" if "Not Available/Missing" is selected as the "Sex" field option.

CDA File Submission

Continue to submit CDA files as usual per the current IG version

- Required data field currently labeled as "Gender" will be relabeled in the NHSN application as "Sex"
- Any nullFlavor values sent for the "Sex" field will be set to "N Not Available/Missing"

CDA Implementation Guide (IG) Changes

- Include Sex Observation Female, Male
- Removed Gender Identity and Birth Sex from the social history section
- Administrative Gender is not required

Submit CDA specific questions via the NHSN ServiceNow portal and select Assignment group as "CDA" or submit via email to nhsncda@cdc.gov

AUR Module Updates

Stephanie Sutton & Amy Webb

Fixes for 2025 AUR Reporting

Stephanie Sutton

Bug: AR Event Upload Error - Specimen Source Deduplication Logic (13.1.2 – May)

 Application was applying the 14-day de-duplication rule for new specimen category (skin, soft tissue, wound, musculoskeletal) instead of the 1-per month rule for non-invasive specimens

Mitigation:

- A monthly script is used to remove duplicates and was updated to ensure the 14-day and 1 month business rules were applied appropriately

Expected Results:

- Vendors/facilities may have noticed additional AR Events failing to upload after application was updated

Bug: *S. aureus* files not being accepted unless PBP2a test is listed before PCR mec test

- The AR Event file containing Staph aureus did not import unless the PBP2a test was listed before the PCR mec gene test in the file structure. These tests should be accepted in any order.
- Expected Results:
 - The files should upload no matter what order the PBP2a and PCR mec tests are in.

Bug: CDA files within a zip that are submitted via Direct are not receiving a response

 AR CDA files (AR Summary and AR events) submitted via Direct did not receive a response/were not included in the PDF submission report. This also affected other data sent via Direct.

Mitigation:

- Developers investigated why files were not included in the PDF submission report.

Expected Results:

- Fixed in August release. If files do not receive a response and were not successfully submitted into NHSN, resubmitting the files a second time should resolve the issue.

Bug: Intermittent Upload Error: AR Event Files

- AR Event uploads (manual or Direct) intermittently fail with the following error:
 - "Error in Data registration: (uploaded zip file name). Error message: null"
- One or more AR Events in the zip file fail to upload
- Upon re-upload, the same file often passes successfully into the NHSN database
- Clarifying error message for known causes:
 - PatientID on subsequent version of file does not match original saved in NHSN database
 - Error valid. Cannot change patientID on subsequent version of a file if original still exists in NHSN database.
 - SetID root+extension longer than 99 characters
 - IsolateID extension longer than 50 characters

Updates for 2026 AUR Reporting

Stephanie Sutton

Update to AU Option Drugs

- Effective January 1, 2026
- Add:
 - Aztreonam/avibactam RxNorm 2705352
 - Gepotidacin RxNorm 2709212
 - Sulopenem/probenecid RxNorm 2717836
 - Monoclonal antibody: Clesrovimab RxNorm 2716802
- No removals for 2026

Upcoming Enhancement – AR Option Summary Data by Inpatient Location

 Allow facilities to report AR Option summary data (patient days) at the individual location level

Key Updates:

- Reporting Plan: Update to allow the AR box to be checked per inpatient location
- Business Rules: Modify to accept AR Summary CDA files tied to individual inpatient locations
- Optional in 2026; required in 2027

Why This Matters:

- Enables alignment of AU and AR data
- Provides clearer visibility into which inpatient locations are included in AR Option reporting
- Supports more granular analysis and benchmarking

Update to AR Drug Panels

- Effective January 1, 2026
- AntiP20 *Acinetobacter* panel:
 - Add: Sulbactam/Durlobactam LOINC 106859-2
 - Remove: Doxycycline
- AntiP20Ur Acinetobacter urine panel
 - Remove: Tetracycline
 - Remove entire panel. *Acinetobacter* urine specimens will use AntiP20 as of 1/1/2026.
- AntiP21 *Candida* panel:
 - Add: Rezafungin LOINC 106858-4

Update to AR Option Specimen Sources

- Effective January 1, 2026
- All specimen source groups were reviewed & updated using Snomed 09/2025
- Terms added within each specimen source group to make reporting more inclusive using a rule-based approach to creating the value set
- Terms removed no longer existed in Snomed 09/2025
- See Specimen Source 2026 tab for complete details

Update to AR Option Pathogens

Will refresh AR Option Pathogen Roll-up Workbook using Snomed 09/2025

SAAR Rebaseline

Amy Webb

SAAR Rebaseline release planned for early 2026

- Completed modeling using 2023 as the baseline year
- More locations!
 - 26 adult
 - 9 pediatric
 - 4 neonatal
- Minor updates to drugs in each category
- Risk adjustment variables still hospital and location-specific variables
- Education and training materials to be released starting later this month

R4-D4 Update

Amy Webb

R4-D4 Implementation will be optional for 2026

- AR Summary and AR Event will be updated to use R4-D4 IG <u>effective</u>
 June 2026.
 - AU Summary is not moving to R4-D4, will continue to use R6 and R1.
- AR Event is the only CDA with major changes.
 - Due to inclusion in the CMS PI Program, ASTP has asked that AR CDAs use the same IG version, so we are additionally updating AR Summary to R4-D4.
- R4-D4 IG is now published on the HL7 website
- Plan to implement in 14.2 June release

R4-D4 AR Summary Updates

- No major updates when moving to R4-D4
- May have templateID updates

R4-D4 AR Event Updates

- May have templateID updates
- Changes from administrative gender to sex observation
- Language and interpreter needed/used will be optional variables
- Removing Staph aureus-specific requirement for PCR mec and PBP2a tests
- Adding section for gene identification tests
 - Requests for reporting rapid molecular detection of antimicrobial resistance markers
 - Value set complete
 - Contains 88 LOINC terms
 - Examples: Bacterial carbapenem resistance blaKPC-18 gene [Presence] by Molecular method, Bacterial carbapenem resistance blaNDM-1 gene [Presence] by Molecular method

R4-D4 AR Event Updates – Rapid Molecular Detection of Antimicrobial Resistance Markers

- Molecular test will be included in the AR Event CDA file if conducted
 - Will <u>not</u> be tied to specific organisms (e.g., *S. aureus* for mecA gene)
 - Includes as many molecular tests as were conducted by the lab
 - Specific code to include if no molecular tests were performed on the isolate
- Result value set using Snomed:
 - Detected
 - Not detected
 - Indeterminate
 - Invalid
 - NA = No discrete data available

Plan to accept R3 & R4-D4 for 2026

- For 2026 AR Option reporting, you will be able to use either the R3 (current IG) or the R4-D4 IG.
- Rapid molecular detection of antimicrobial resistance markers results cannot be reported if using the R3 IG.

AUR Module Updates: AR and AU Synthetic Data Set

Amy Webb

AU SDS Release 5.1

- AU SDS v5.1 available
- Includes changes to bring the dataset up to current standards
 - Uses 2023 dates, required drugs/codes, and updates to the admissions counting logic to match AR SDS
- Vendors are expected to revalidate using AU SDS v5.0 prior to March 2025
 - Any AU file for March 2025 and forward will fail to upload without an updated AU SDS Validation ID
- 1.1 The AU Summary file does not contain an updated SDS Validation ID. Please work with your vendor to correct the issue prior to re-uploading the file.

AR SDS Release 1.6

- AR SDS Release 1.6 available
- Re-validation with AR SDS 1.6 is optional
- Includes updated dim_wardmapping to test transfers to ineligible inpatient locations

- Currently working on an updated version (2.0) of AR SDS which will include 2026 value sets & logic
 - Including validating patient day reporting from individual inpatient locations
 - To be released in early 2026

SDS web service links

AU SDS:

- https://nhsnpilot.ng.techlab.cdc.gov/AUValidation-Production/home.html

AR Event SDS:

- https://nhsnpilot.ng.techlab.cdc.gov/ARValidation-Numerator/home.html

AR Denominator SDS:

- https://nhsnpilot.ng.techlab.cdc.gov/ARValidation-Denominator/home.html

Reminders for CDA files

Amy Webb

Size limit

- Limit: 1000 files or 2MB zipped whichever comes first
- Larger zip files will take longer to process
- Recommend splitting large files into separate smaller zip files

Rhapsody errors

- Added infrastructure and code changes in July & August to mitigate Rhapsody errors
- If an upload generates a Rhapsody error, try the upload again outside of peak hours (prior to 10am ET or after 4pm ET)

Other reminders

- Match year of summary/event to value set for that year
 - Example: if creating an AR Event for a specimen collected in December 2024, use the 2024 value sets even though the file is being uploaded in 2025
- Include admission date (or encounter date) in all AR Event files
 - All AR Event files must include a date in the admission date field regardless of whether the patient was admitted to an inpatient location during that encounter
 - See AUR Module Protocol Appendix G

NHSN Pre-Production Test Site (NPPT)

Hamna Baig

NHSN Pre-Production Test Site

- Copy of the NHSN development environment
- Includes Analysis and Reporting (A&R) functionality
- Does not include DIRECT CDA Automation or Groups
- No SAMS credentials required
- To enroll:
 - Complete form found on the <u>Validation Tools and Test Sites</u> page.
 - Send completed form to the nhsncda@cdc.gov mailbox.



NHSN Pre-Production Test Site (NPPT) cont.

- V14.0.0 is the current environment
 - Reminder: Read "Important Message" at login
- Blast email will be sent out when NPPT is upgraded to new version
- Report any issues you find to the nhsncda@cdc.gov mailbox

Miscellaneous

Hamna Baig

DIRECT CDA Automation Updates

- ~207 direct addresses and > 9,500 facilities sending via DIRECT
- DIRECT
- Batch submission process
- No immediate reply
- Turnaround time based on volume of messages in the queue
- New to implement DIRECT?
 - DIRECT toolkit on the NHSN Importing Data webpage.
 - Contact <u>NHSNCDA@cdc.gov</u> for any questions or to set up an onboarding discussion.

CDA Version Support

- CDA Submission Support Portal (CSSP)
- CDA Toolkits
- Guide to CDA versions

Guide to CDA Versions

Print

For creating CDA files, please see the specific Implementation Guide (IG) and its associated reference materials.

The table below describes the specific Implementation Guide (IG) to be used for each component based on the event/insertion/procedure/specimen collection dates (as applicable) for each year.

Download the corresponding CDA Toolkits for the corresponding year.

Events or Denominators	2025	2024	2023	2022
CDA Toolkit Release	13.1	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

CDA Version Support (continued)

- Implementers can also use the HL7 GitHub website for latest IG Guides
- HL7 GitHub site also includes:
 - XML
 - Related files
 - Schematron
 - CDA Schema
 - Samples
 - Stylesheet

Helpful NHSN Resources

- NHSN Newsletter
- Release Notes and Communication Updates



NHSN Reminders

- Welcome feedback
- Offer individual vendor conference calls
- Make sure you are on the NHSNCDA email distribution list.
- Visit the <u>CDA Submission Support Portal (CSSP)</u>.



CDA Submission Support Portal (CSSP)

Toolkits, FAQs, webinars and resources for testing and validation for CDA implementers.

Additional Vendor Engagement Opportunities

1-1 meetings with NHSN

- Opportunity to ask questions, receive updates, and dive deeper into discussions around specific topics

For more information, contact CDC 1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

