

Why, What, Who, When, and How of NHSN Healthcare Claims Data: Overview

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Objectives

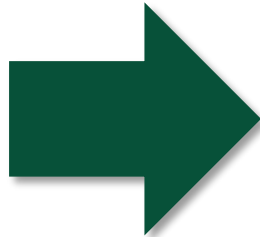
We will provide a brief overview of Healthcare Claims Data:

- Review the purpose to the project
- Demonstrate the data template
- Define the reporting timeline

Why Use Healthcare Claims Data?

- NHSN is moving toward fully-automated, digital quality measures (dQMs) based on standards, measurement science, and clinical science with rigorous benchmarking and appropriate risk-adjustment used to drive patient-safety

Manual and
Semi-Automated
Measures



Digital
Quality
Measures

Benefits of Digital Quality Measures

- ✓ Provide *patient-level* data for risk adjustment and stratification
- ✓ *Reduce time and burden* for data collection and entry
- ✓ *Remove* potential interpretation *biases*
- ✓ *Adjust* measures quickly in response to changes in practices

What Is Healthcare Claims Data?

- Data taken from the Uniform Billing (UB)-04 paper claims form
 - Also known as the [Centers for Medicare and Medicaid \(CMS\)-1450](#); 837I (institutional) is the electronic format used by most institutional providers
- UB-04 - standardized medical billing claims form used by healthcare providers/facilities to submit health care claims
 - Maintained by the National Uniform Billing Committee (NUBC)
 - Required by insurance providers (Medicare, Medicaid, and other insurance companies) in both inpatient and outpatient settings
- Includes data elements used in NHSN dQM event determination, event exclusions, risk-adjustment and stratification

Top

Bottom

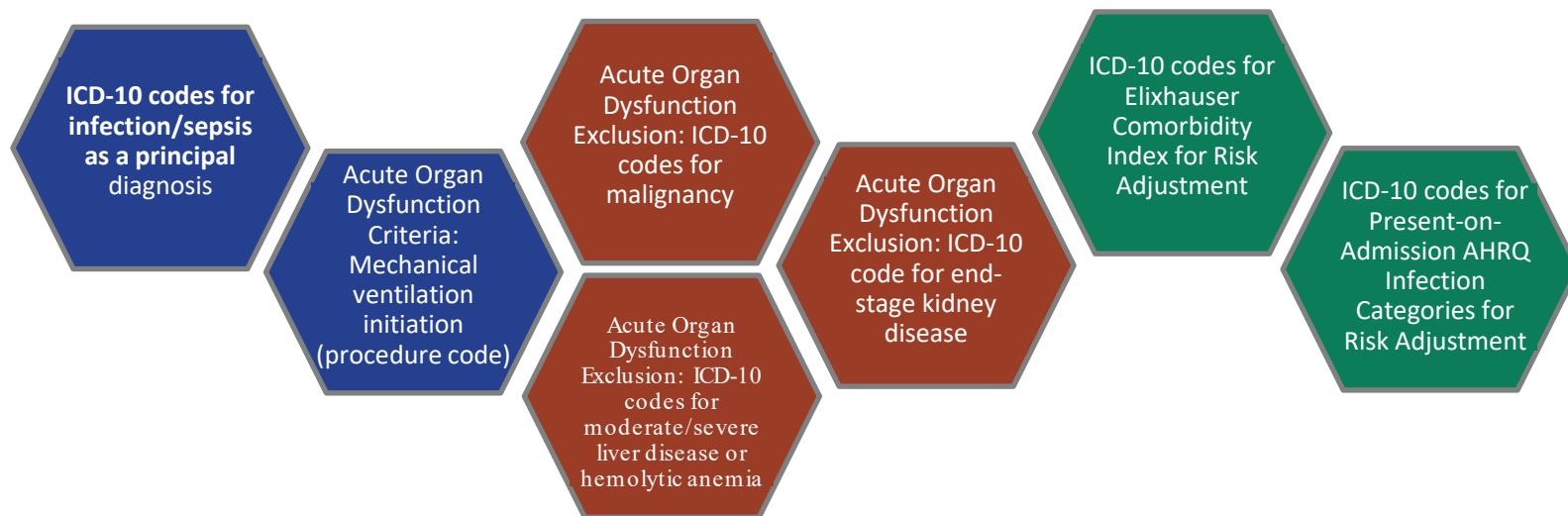
Variables for Potential Risk Adjustment & Stratification

- Primary and Secondary Diagnosis Codes
- Comorbidities (based on diagnosis codes)
- Primary insurance
- Transfer from Another Facility

dQM Use Case: Adult Community-Onset Sepsis

Standardized Mortality Ratio

- Healthcare Claims Data supports **event determination**, **event exclusions** and **patient-level risk-adjustment**.



When Will Data Collection Begin and Who Can Report ?

- Beginning **early 2026**, all **Acute Care Hospitals (ACHs)** will have the option to voluntarily report healthcare claims data to NHSN to prepare for implementation of dQMs.



Encounter

- ## Patient

Condition

Procedure

Revenue

[illegible]

Next Steps

- Webpage pending development
 - NHSN Healthcare Claims Data CSV Template
 - NHSN Healthcare Claims Data CSV Data Dictionary
- Detailed training sessions later this fall and early next year

Knowledge Check #1

Why will Healthcare Claims Data be incorporated into NHSN dQM reporting?

- A. To increase hospital revenue
- B. To support patient-level risk adjustments and stratification
- C. To reduce the number of reported infections
- D. None of the above

Knowledge Check #1

Why will Healthcare Claims Data be incorporated into NHSN dQM reporting?

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- C. To reduce the number of reported infections
- D. None of the above

Knowledge Check #2

When is NHSN scheduled to begin accepting healthcare claims data?

- A. Fall 2025
- B. Fall 2026
- C. Early 2026
- D. Spring 2027

Knowledge Check #2

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Resources

About FHIR and NHSNLink - <https://www.cdc.gov/nhsn/fhirportal/about.html>

NHSN Digital Quality Measures (dQMs) - <https://www.cdc.gov/nhsn/fhirportal/index.html>

NHSNCoLab - <https://www.cdc.gov/nhsn/nhsncolab/index.html>

For any questions or concerns, contact the NHSN Helpdesk

- **NHSN-ServiceNow** to submit questions to the NHSN Help Desk.
- Access new portal at <https://servicedesk.cdc.gov/nhsncsp> .
- If you do not have a SAMS login, or are unable to access ServiceNow, you can still email the NHSN Help Desk at nhsn@cdc.gov.

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.

