

Claims Data Collection Transition Webinar

National Hospital Care Survey Data Collection Webinar Series

July 9th and July 14th, 2026



Meet Our Presenters



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Agenda

- Overview of the Centers
- Part 1 – National Center for Health Statistics
 - National Hospital Care Survey and why participation matters
 - The role of claims in the survey
 - **Why** the change in claims data collection and **what** is changing
- Part 2 – National Center for Emerging and Infectious Zoonotic Diseases
 - Introduction to CDC's National Healthcare Safety Network (NHSN)
 - The **how** of claims data collection through NHSN
 - Resources for reporting claims to NHSN
 - Next Steps
- Live Question and Answer Session

Who are we?

<https://www.cdc.gov/nchs/index.html>

<https://www.cdc.gov/nceizid/index.html>

Within the CDC, under the U.S. Department of Health and Human Services (HHS)

FEDERAL DEPARTMENT



HHS

U.S. Department of
Health & Human
Services

AGENCY



CDC

Centers for Disease
Control and
Prevention

CDC CENTERS

NCHS

National Center for
Health Statistics

Home of
the



NCEZID

National Center for
Emerging and
Zoonotic Infectious
Diseases

Home of
the



CDC Mission

To protect Americans from **health**, **safety**, and **security** threats, whether they originate in the U.S. or abroad.



National Hospital Care Survey

National Hospital Care Survey

Providing *reliable* and *timely* data on hospital-based healthcare in the U.S.



At a glance

- Began in 2011
- **First** national survey using EHR + **claims** data



How it works

- Hospitals with 6+ staffed inpatient beds
- EHR + **claims** (electronic submission)
- Inpatient & emergency encounters (annual, Jan-Dec)



What your data does

- ✓ **Reveals trends in hospital care**
- ✓ **Informs policy and programming**
- ✓ **Helps improve health outcomes**



Participating hospitals like yours make this possible!

Thank you for your partnership and contribution to better health for all

Thank you for your partnership



Your hospital data powers national health insights!

We look forward to our continued partnership!

Why Your Partnership Matters

<https://www.cdc.gov/nchs/nhcs/results-publications/index.html>

*Your hospital data doesn't stay in a database— it drives national action, drives research and **saves lives***

WHAT YOUR DATA ENABLES



Surveillance & Research

- Tracks overdose trends
- Identifies maternal health risks
- Detects emerging public health threats



Data Linkages

- Mortality outcomes
- Medicare/Medicaid utilization
- Housing & social determinants
- Drug mentions on death certificates



National Insights

- Publications & research
- Dashboards & algorithms
- Federal reporting
- Actionable data files

YOUR HOSPITAL DATA

Millions of patient encounters
shared through NHCS

REAL-WORLD IMPACT



IMPROVES CARE

Better maternal health
and overdose response



INFORMS POLICY

Supports HHS and national
public health strategies



SAVES LIVES

Turns hospital encounters
into actionable prevention
efforts

TURNING DATA INTO ACTION



Surveillance



Dashboards



Algorithms



Curated
Data Files



Research &
Reports



Federal
Partnerships



Together, we turn hospital data into knowledge that saves lives.

Thank you for your continued partnership and impact!



Claims data in the NHCS

What are Medical Claims?



Data taken from the Uniform Billing (UB) -04 paper claims form

- UB-04 form is also known as:
 - Centers for Medicare and Medicaid Services (CMS) form **1450**
 - Electronic format is known as the **837i or 837r**



What is the UB-04 standardized medical billing claims form?

- Used by healthcare providers/facilities to bill health insurers
- Required by insurance providers for both inpatient and outpatient settings
- Maintained by the National Uniform Billing Committee (NUBC)

Claims: Foundation of NHCS Data

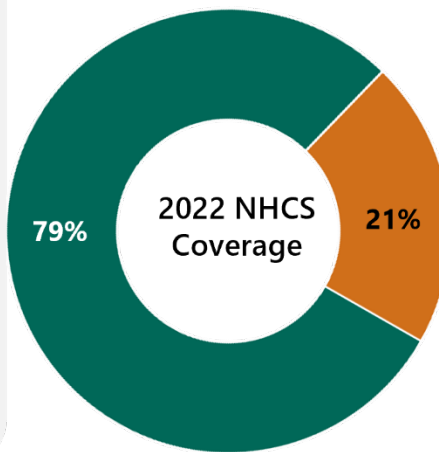
Claims data capture most hospital encounters in the National Hospital Care Survey



Claims data (UB-04 & Vizient)

Claims data provide structured, standardized, and finalized records of healthcare services delivered.

Data Source	Number of Hospitals	Number of Encounters
UB-04	106	5.8M
Vizient	72	5.4M
Total	178	11.2M



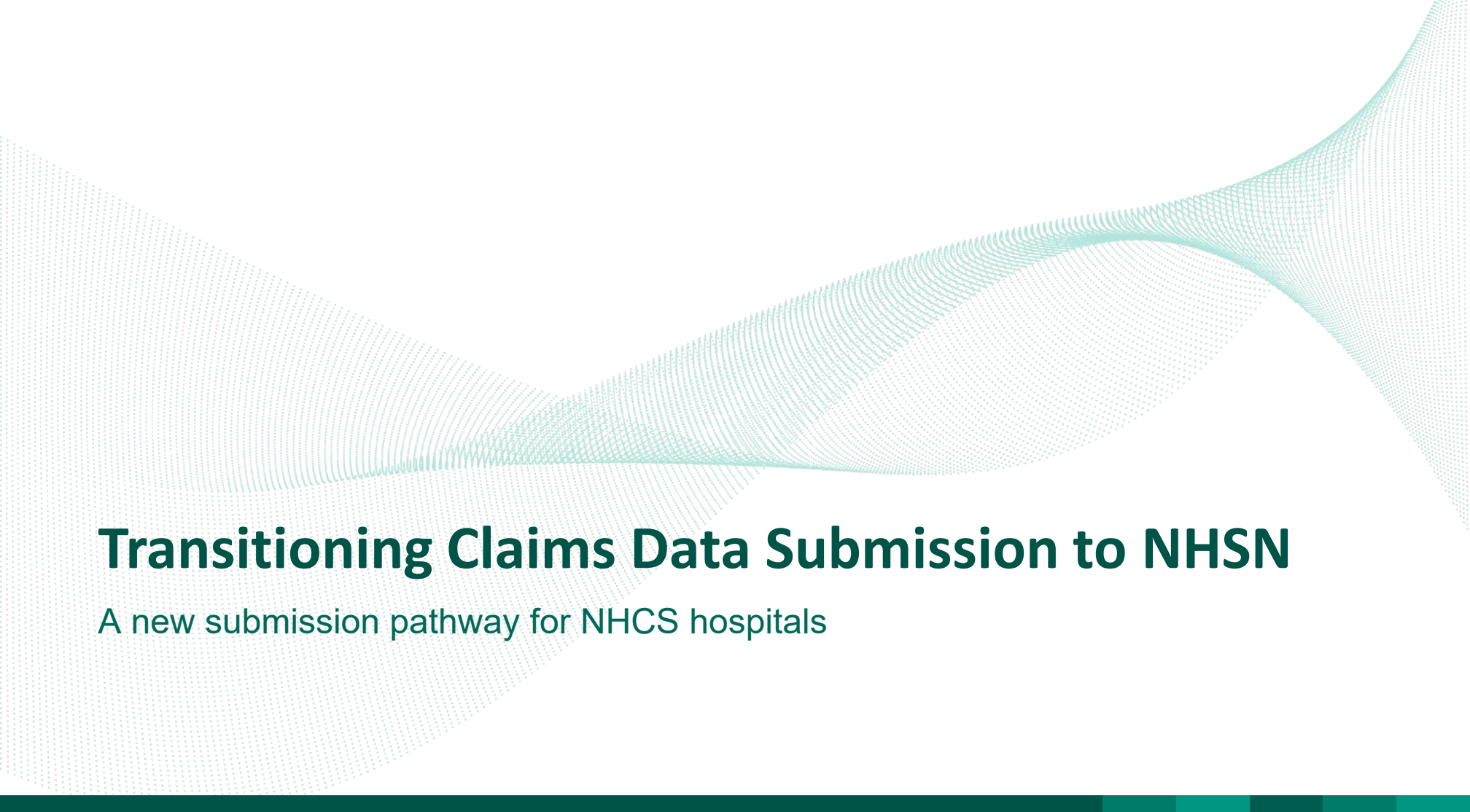
Electronic Health Record (EHR)

EHR data provide additional depth and detail

Data Source	Number of Hospitals	Number of Encounters
Direct	29	1.8M
Third Party	19	776K
Total	48	2.6M



Healthcare claims data support accurate reporting, quality measurement, and patient safety.

An abstract graphic composed of numerous thin, teal-colored lines that form a series of overlapping, wavy shapes. These shapes create a sense of movement and depth, resembling a stylized wave or a series of concentric, flowing bands. The lines are most dense in the upper right and lower left areas, tapering off towards the center.

Transitioning Claims Data Submission to NHSN

A new submission pathway for NHCS hospitals

Why the change?



Alignment across CDC

- NHSN is a CDC surveillance program
- Many hospitals are already familiar with NHSN



Reduce hospital burden

- Submit data through a single CDC platform
- NHSN can securely share data with NCHS



Long-Term Sustainability

- Reduce duplication across programs
- Support sustainable reporting model

Our goal is to simplify reporting while supporting a sustainable approach to data collection.

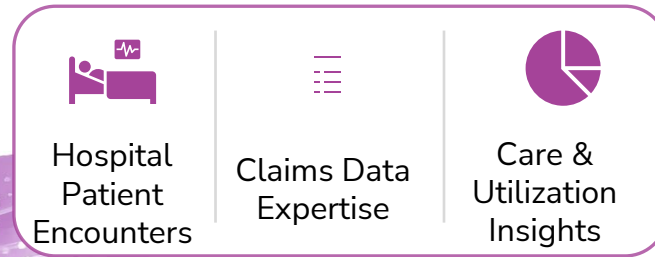
National Reporting Infrastructure



Leveraging Complementary Strengths



Hospital Care Data Infrastructure



A streamlined pathway for claims data submission

Together, NHSN and NHCS are creating a claims data submission pathway that **aligns across CDC**, **reduces reporting burden on hospitals**, and **supports public health efforts**.

What is changing?

Brief overview, with details later



WHAT STAYS THE SAME

Type of data



Medical Claims information from:

- Electronic 837i or
- Electronic 837r

Data security



Patient privacy/confidentiality still protected:

- NCHS – HIPAA & CIPSEA
- NHSN – HIPAA

Data usage



Statistical purposes only



WHAT'S CHANGING-SUBMISSION PROCESS

Previous



UB-04 as:
837i or 837r



New



CSV-template



Claims data
fields



Claims data fields
+/- select data
elements per NHSN



Westat or
Vizient



National Healthcare
Safety Network



New process: this month - **July**

Consent for **NHSN** to share data with **NCHS**

Anonymous Poll

We'd like to get a quick sense of your familiarity with NHSN

1



**Are you familiar
with NHSN?**

2



**Do you know if your
hospital already
submits data to NHSN?**



NHSN

NATIONAL HEALTHCARE
SAFETY NETWORK

National Healthcare Safety Network (NHSN)

Brief introduction to NHSN

NHSN at a Glance

20+ years of saving lives through surveillance and benchmarking

✓ Bottom line:

CDC's domestic, digital surveillance system for identifying and monitoring **emerging** and **enduring** healthcare threats.



Nationwide healthcare-associated infection (HAI) tracking system



Benchmark progress



Secure real-time reporting



Find prevention gaps



Track key safety measures



Drive public health action

Many Hospitals Already Use NHSN



Bottom line:

Most hospitals nationwide already use NHSN to submit healthcare data from clinical systems for public health and quality reporting.



Healthcare-associated infection reporting



CMS quality reporting program



Healthcare personnel influenza vaccination reporting



Other public health reporting requirements

Why claims data now?

✓ Bottom line:

Healthcare claims data help expand surveillance and measure development while reducing data collection burden.



NHSN has driven major patient-safety gains over the last 20 years



Hospitals need more efficient ways to perform surveillance for adverse events



Claims data provide standardized and structured information that is available across all hospitals



Claims data support more sustainable and scalable methods for measurement

How will NHSN use claims data?

✓ Bottom line:

NHSN will **combine** claims data with other digital inputs to produce new measures to compliment chart abstracted measures.



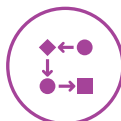
Improve risk adjustment and stratification



Strengthen denominator collection



Support new event determination



Improve surveillance workflow and data quality



Reduce reporting burden over time



Expand future surveillance options

Important point:

Submitting healthcare claims data to NHSN for quality measure calculation **does not replace or alter** your facility's current process for submitting claims for billing purposes!



How to submit claims data to NHSN

Timeline & Readiness

✓ Readiness actions

- Confirm facility leadership commitment
- Align data extraction and file creation workflows
- Prepare for secure submission and testing
- Connect claims data reporting with broader NHSN digital quality measure readiness



Hospitals can begin reporting claims data for **NHCS today!**



Identify staff to coordinate tasks related to data extraction



Develop and maintain claims data extraction file



Submit monthly claims data **no later than 60 days** after the end of each reporting month



Information on NHSN digital quality measures

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

Getting started

An overview

✓ Multi-step process

Most hospitals will complete these onboarding steps once before submitting claims data through NHSN

Hospitals already enrolled in NHSN would start at Step 2.

1

Onboard with NHSN

- Enroll hospital in NHSN (if needed)
 - If you are **not a current NHSN user**, contact your hospital's NHSN Facility Administrator
 - If not already done, complete the 'NHSN Agreement to Participate and Consent'

2

Complete Claims Data Reporting Plan

- Done in NHSN application, select reporting frequency, then...

3

Review NHCS consent information

- Review NHCS consent text in the claims data reporting plan

4

Authorize claims data sharing

- Authorize NHSN to share submitted claims data with the NHCS (also in the claims data reporting plan)

5

Submit data to NHSN

- Input claims data into CSV-template and submit to NHSN



CDC's website is being modified to comply with President Trump's Executive Orders.

[Print](#)

CDC's National Healthcare Safety Network is the nation's most widely used healthcare-associated infection tracking system. NHSN provides facilities, states, regions, and the nation with data needed to identify problem areas, measure progress of prevention efforts, and ultimately eliminate healthcare-associated infections.

In addition, NHSN allows healthcare facilities to track blood safety errors and important healthcare process measures such as healthcare personnel influenza vaccine status and infection control adherence rates.



[NHSN Requirements & Recommendations for Application Use](#)



COVID-19 Modules and Dashboards

COVID-19 reporting and vaccination resources for all healthcare facilities.

Resources by Facility

NHSN Components



[Acute Care / Critical Access Hospitals](#)



[Ambulatory Surgery Centers](#)



[Long-term Acute Care Hospitals](#)



[Long-term Care Facilities](#)



[Inpatient Rehabilitation Facilities](#)



[Inpatient Psychiatric Facilities](#)



[Dialysis Facilities](#)

[View All Facilities](#)

About NHSN

CDC's NHSN is the largest HAI reporting system in U.S.

AM I Enrolled?

Confirm if your facility is enrolled in NHSN

Enroll New Facility

For first-time facility enrollment

NHSN Training

Self-paced trainings, videos & quick learns

NHSN Digital Quality Measures (dQMs)

Toolkits, FAQs, and resources

Data & Reports

See national and state reports using NHSN data

Newsletters

NHSN Application

NHSN Member Login

CMS Requirements

CMS reporting requirements through NHSN

Analysis Resources

Analysis resources and guides for the PS Component

Data Validation & Guidance

Data Validation & Guidance

CDA Submission Support (CSSP)

Toolkits, FAQs, webinars & resources

Email Updates

View NHSN communications

Health Equity

The Claims Data Reporting Plan

Accessed within the NHSN Application, after facility and user enrollment



NHSN - National Healthcare Safety Network



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

Claims Data Reporting Plan

Mandatory fields marked with*

Claims Data CSV (CLAIMS-CSV)

+ Add Row

* Start Month

* Start Year

End Month

End Year

Share with the National Hospital Care Survey

☐

By selecting the box under "Share with the National Hospital Care Survey", you are indicating that the leadership at your facility have read the [consent document](#), and agree to provide your hospital inpatient and emergency department administrative claims encounter data (including patient identifiers) to the Centers for Disease Control and Prevention (CDC)'s National Center for Health Statistics (NCHS) National Hospital Care Survey (NHCS).

The American Hospital Association (AHA) holds a copyright to the Uniform Billing Codes ("UB-04") contained in certain quality measure specifications. The UB-04 Codes in quality measures developed by the CDC are included with the permission of the AHA. The UB-04 Codes contained in these specifications may be used by hospitals and other health care delivery organizations for the purpose of tracking, analytics, and reporting CDC-developed measure results or for internal quality improvement purposes. The UB-04 Data File or any portion of the code set contained in this measure may not be used independently of the measures for any other type of analysis or billing. All other uses of the UB-04 Codes require a license from the AHA. Anyone desiring to use the UB-04 Codes in a commercial product(s), including tracking, analytics or reporting of quality measures on the behalf of hospitals or health care delivery organizations by commercial vendors, or for any other commercial use, must obtain a commercial use license directly from the AHA. To inquire about licensing, contact ub04@aha.org.

Submit

Clear Changes

Back

****Log-in credentials are required to access the NHSN Application and the Claims Data Reporting Plan****

Creating a Claims Data Reporting Plan

Welcome to NHSN ×

Select Component



Patient Safety



Select Group/Facility



Submit

Resources & Guidance

✓ Guided process

NHSN Claims Data Page

- Healthcare Claims Data Protocol
- CSV Template
- Data Dictionary
- FAQs

✓ Support Services

- NHSN ServiceNow Portal
<https://servicedesk.cdc.gov/nhsncsp>

NHSN Healthcare Claims Data Webpage



NHSN Claims Data Reporting Protocol

- Includes detailed instructions for reporting claims data



NHSN Claims Data CSV Template

- Provides how each CSV file should be structured



NHSN Claims Data Dictionary

- Defines and provides the criteria of each data variable



Frequently Asked Questions

- Description of what this helps the user with

Visit the webpage at: <https://www.cdc.gov/nhsn/psc/claims/index.html>

Instructions

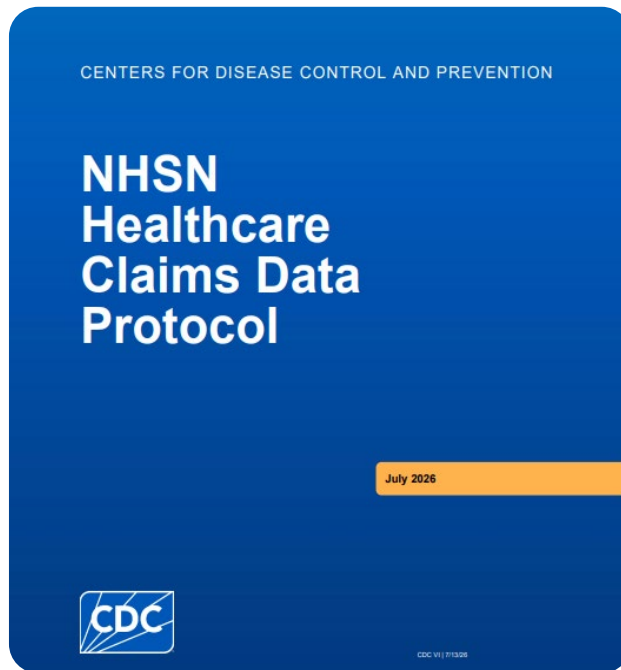
Step-by-step guidance for preparing and submitting claims data to NHSN

✓ Claims Data Protocol

What's included:

- Creating and validating CSV templates
- Packaging files into a ZIP file
- Uploading claims data to NHSN
- Submission requirements & troubleshooting

i Expect ongoing updates to the protocol



<https://www.cdc.gov/nhsn/pdfs/NHSN-Healthcare-Claims-Data-Protocol.pdf>

Submitting 837i (r) information

✓ CSV-mediated process

Six CSV-templates

- FILE_DATE
- Patient (including PII)
- Encounter
- Condition
- Procedure
- Revenue

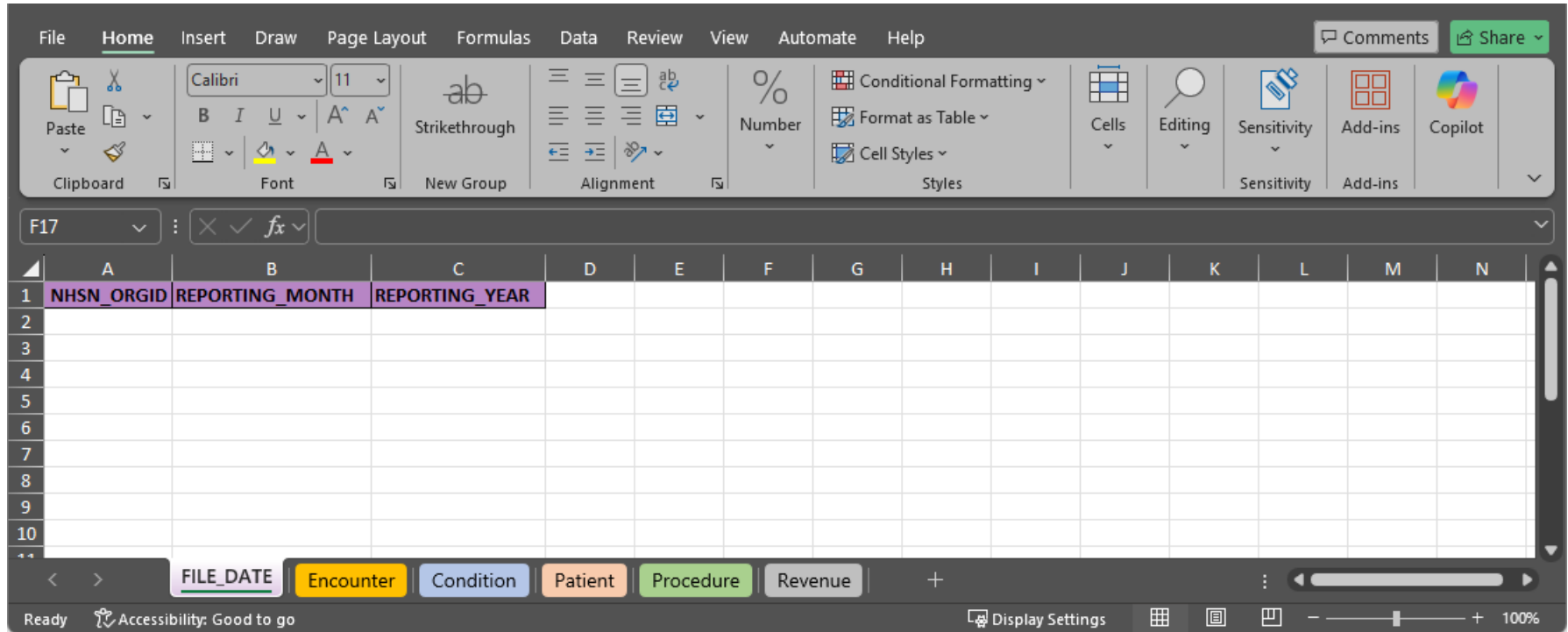
Securely upload templates to NHSN as a zip-file

NHSN Healthcare Claims CSV Template

The diagram illustrates the six CSV templates for NHSN Healthcare Claims, each with a specific header row and a .ZIP file icon pointing to them. The templates are:

- FILE_DATE**: Header row: NHSN_ORGID | REPORTING_MONTH | REPORTING_YEAR
- Encounter**: Header row: NHSN_ORGID | ENCOUNTER_ID | PT_MRN | PT_CONTROL_NUM | TYPE_BILL | STMT_FROM_DATE | STMT_THRU_DATE | ADM_DATE | ADM_HOUR | ADM_DAY
- Patient**: Header row: NHSN_ORGID | ENCOUNTER_ID | PT_MRN | PT_CONTROL_NUM | PT_LAST_FIRST_NAME | PT_SSN | PT_ETHNICITY | PT_RACE | PT_DOB | PT_SEX
- Condition**: Header row: NHSN_ORGID | ENCOUNTER_ID | PT_MRN | PT_CONTROL_NUM | DIAG_CODE_QUAL | DIAG_TYPE | POA | DIAG_CO
- Procedure**: Header row: NHSN_ORGID | ENCOUNTER_ID | PT_MRN | PT_CONTROL_NUM | PROC_START_DATE | PROC_CODE_QUAL | PROC_C
- Revenue**: Header row: NHSN_ORGID | ENCOUNTER_ID | PT_MRN | PT_CONTROL_NUM | REV_SERV_DATE | REV_CODE_ORDER | REV_CODE | SERVICE_CO

Claims CSV Template



<https://www.cdc.gov/nhsn/xls/FACILITY-Healthcare-Claims-Data-Template.xlsx>

NHSN Claims Data Dictionary



Data Dictionary

Provides the following for each variable in the six CSV templates:

- Variable name & description
- Source UB-04 form locator field, or 837i electronic form
- Collection instructions
- Accepted values
- Required format & length

The data dictionary is comprised of

- 10 columns which provide instructions for each variable.

Table	UB-04 Form Locator	UB-04 Subfield	Variable Name	Field Name	Status	Instructions for data collection	Values	Format	Length
Condition	67 69	67 subfields A-Q 67 subfields 1-7	DIAG_CODE	Diagnosis Code	Required	Instructional text...	Valid codes from ICD-10-CM...	AN	7
.....									
Encounter	4	N/A	TYPE_BILL	Type of Bill	Required	Submit all...	Inpatient claims 11x= Hospital Inpatient	AN	3
.....									
FILE_DATE	N/A	N/A	REPORTING_MONTH	Reporting Month	Required				
.....									

Each of the six CSV templates are

- Listed under the column 'Table' in the data dictionary.

FILE_DATE

Encounter

Condition

Patient

Procedure

Revenue

Data Dictionary

<https://www.cdc.gov/nhsn/xls/FACILITY-Healthcare-Claims-Data-Dictionary.xlsx>

FACILITY - Claims Data Dictionary										
File Home Insert Draw Page Layout Formulas Data Review View Automate Help										
Clipboard Font New Group Alignment Number Styles Cells Editing Sensitivity Add-ins Copilot										
O4										
	A	B	C	D	E	F	G	H	I	J
1	Table	UB-04 Form Locator (FL)	UB-04 subfield	Variable Name	Field Name	Status	Instructions for Data Collection	Values	Format	Length
2	All Tables except FILE_DATE	3	a	PT_CONTROL_NUM	Patient's Control Number	Required	Enter the patient's unique alphanumeric control number assigned to the patient by the facility. This number is unique for every encounter.	Assigned by facility	AN	20
3	All Tables except FILE_DATE	3	b	PT_MRN	Patient's Medical Record Number	Required	The number assigned to the patient's medical/health record by the provider (not FL3a).	Assigned by facility	AN	50
4	Encounter	4	N/A	TYPE_BILL	Type of Bill	Required	Submit all inpatient Type of Bill 11x and 12x Submit emergency room Type of Bill 13x, 14x, 83x, and 85x with select Revenue OR HCPCS codes: - Revenue code is in ('0450'-0452', '0456', '0459', '0680'-0689', '0981') OR -HCPCS code is in ('99281'-99285', '99288', 'G0380'-G0384') Remove leading zeroes from Bill Types.	Inpatient claims: 11x= Hospital Inpatient 12x= Hospital Inpatient (Medicare Part B) Ambulatory (emergency room) claims with select Revenue and HCPCS codes (see Instructions for Data Collection): 13x= Hospital Outpatient 14x= Hospital Laboratory Services for non-patients 83x= Ambulatory Surgery Center 85x= Critical Access Hospital	AN	3
5	Encounter	6	loc 1	STMT_FROM_DATE	Statement From Date	Required	The beginning service dates of the period included on the bill using a six-digit date format (MMDDYY).	Valid range: Month= 01-12; Day= 01-31 Valid month/day ranges: For Month 04, 06, 09, and 11, Day = 01-30 For Month 01, 03, 05, 07, 08, 10, and 12, Day = 01-31 For Month 02, Day = 01-28 or 29 For Year: include two-digit year	N	6
6	Encounter	6	loc 2	STMT_THRU_DATE	Statement Through Date	Required	The ending service dates of the period included on the bill using a six-digit date format (MMDDYY).	Valid range: Month= 01-12; Day= 01-31 Valid month/day ranges: For Month 04, 06, 09, and 11, Day = 01-30 For Month 01, 03, 05, 07, 08, 10, and 12, Day = 01-31 For Month 02, Day = 01-28 or 29 For Year: include two-digit year	N	6
7	Patient	8	b	PT_LAST_FIRST_NAME	Patient's Name (Last, First M)	Required	The patient's last name, first name and middle initial. Last name and first name should be separated by a comma or space.	As reported by patient	AN	29
8	Patient	9	b	PT_ADDRESS_CITY	Patient's City	Required	The patient's city.	As patient reports	AN	30

Next Steps

✓ The Way Forward

New to NHSN?

- ⊖ Start with onboarding

Already enrolled in NHSN?

- ⊖ Start with the 'Claims Reporting Plan'

Need help?

- ⊖ NHSN Healthcare Claims webpage
- ⊖ Contact the NHSN help desk

1

Onboard with NHSN

- Enroll in NHSN, if not enrolled
- Get access to NHSN application, if needed
- Complete NHSN Agreement to Participate and Consent, if needed

2

Complete Claims Data Reporting Plan

- Select reporting options for claims data
- Review **NHCS Consent** information
- **Authorize NHSN** to share data with **NHCS**

3

Review Healthcare Claims materials

- Healthcare Claims Data webpage
<https://www.cdc.gov/nhsn/psc/claims/index.html>
- Healthcare Claims Data Protocol
- CSV Template
- Data Dictionary

4

Prepare for submission

- Contact the **NHSN-ServiceNow Portal** for assistance
<https://servicedesk.cdc.gov/nhsncsp>
- **Attend detailed training webinar** in **August**

Support

We are here to support you during this transition.



Questions About NHSN Claims Submission?

Submit questions to the NHSN Help Desk through NHSN ServiceNow or via Email



NHSN ServiceNow (preferred)

** For users with existing SAMS credentials*



If you **cannot access ServiceNow**, please submit a question via email



Questions About NHCS Participation?

Contact the NHCS Support Desk for participation and survey-related questions



Email:
nhcs-support@cdc.gov



Phone:
301-458-4221

Again, thank you for your partnership



Your hospital data powers national health insights and saves lives !

We look forward to our continued partnership!

Thank You for Attending!

Your presenters contact information



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NHSN

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SAFETY NETWORK

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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 presentation are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention or National Center for Health Statistics.

