August 2024 UDS Test Cooperative (UTC) Meeting
August 21, 2024
2:00-3:00pm ET

Data & Evaluation, Data Modernization Team
Office of Quality Improvement (OQI)
Bureau of Primary Health Care (BPHC)
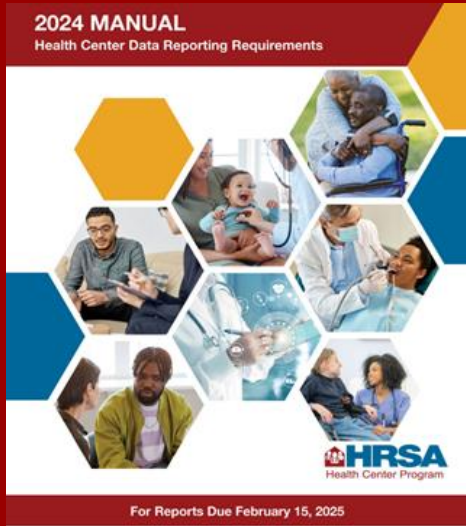
Vision: Healthy Communities, Healthy People

August 2024 UTC Monthly Meeting Agenda

- Agenda:
  - Overview of the UDS Modernization Initiative
  - UDS+ 2024 Reporting Requirements and the Important Role of the UTC
  - UDS+ 2023 Cohort Model
  - Data Lakehouse Presentation
  - UDS+ Onboarding
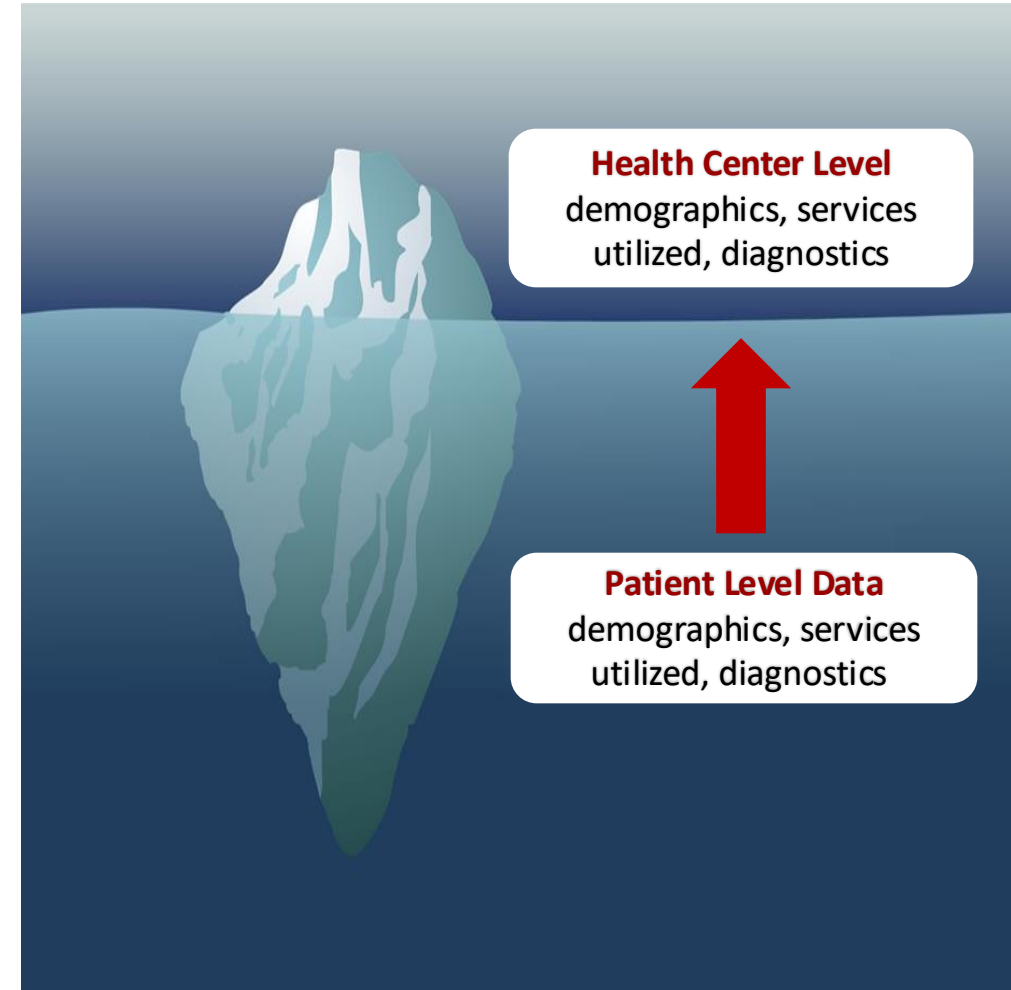
Enhancing UDS Data through Modernization

The Uniform Data System (UDS) is a standard data set that is reported annually and provides consistent information about health centers, including:

- **Patient characteristics**
- **Services provided**
- **Clinical processes and health outcomes**
- **Patients' use of services**
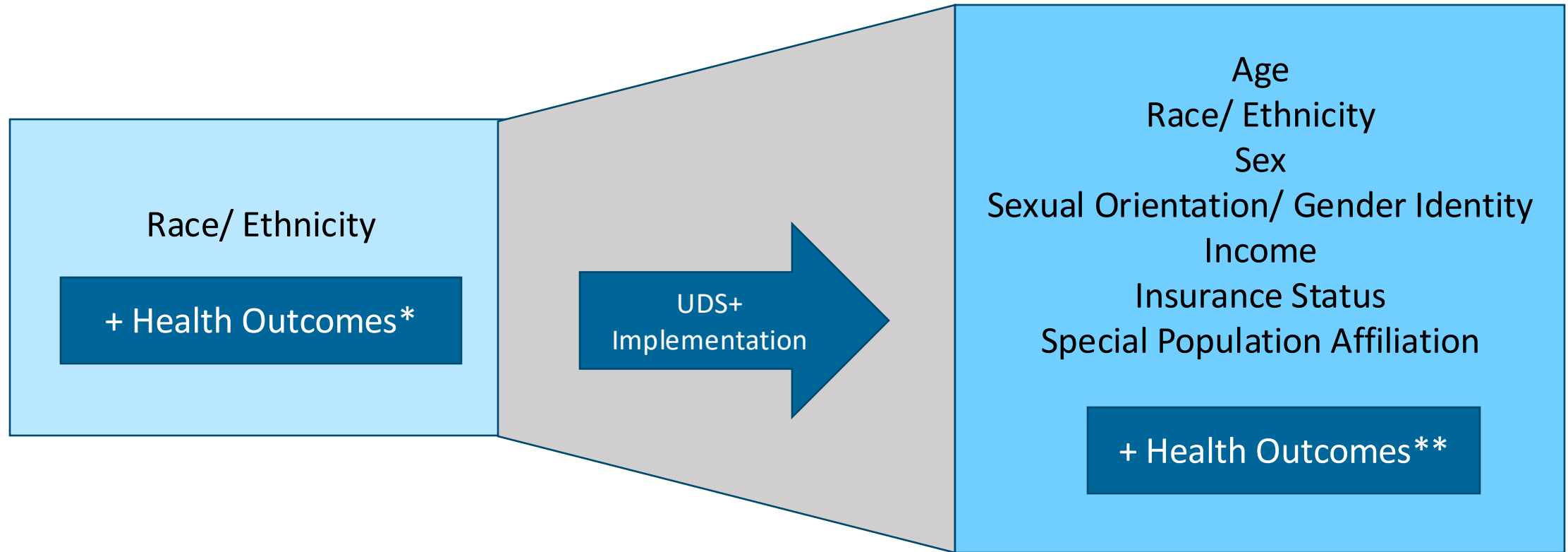- **Staffing**
- **Costs and revenues**

2024 MANUAL
Health Center Data Reporting Requirements

HRSA
Health Center Program

For Reports Due February 15, 2025

Goals of UDS+ Modernization Initiative:

- **Reduce Reporting Burden**
- **Better Measure Impact**
- **Promote Transparency**

Health Center Level
demographics, services utilized, diagnostics

Patient Level Data
demographics, services utilized, diagnostics

Uniform Data System Modernization Initiative

HRSA
Health Center Program

UDS+ Provides Data on Trends and Health Outcomes

Race/ Ethnicity

+ Health Outcomes*

UDS+ Implementation

Age
Race/ Ethnicity
Sex
Sexual Orientation/ Gender Identity
Income
Insurance Status
Special Population Affiliation

+ Health Outcomes**

* Current UDS measures with disaggregated data by race/ethnicity available: Controlling High Blood Pressure, Diabetes: Hemoglobin A1c Poor, Low Birth Weight Control
** UDS+ all 18 CQMS will be able to be disaggregated by these categories

HRSA
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What is UDS Patient Level Submission (UDS+)?

UDS+ is...

- Beginning with CY 2023 UDS (data submitted in 2024), BPHC will accept patient-level report data.
    - UDS Tables Patients by ZIP Code, 3A, 3B, 4, 6A, 6B, and 7
- Submitted **electronically** via Fast Healthcare Interoperability Resources (FHIR)

UDS+ does not...

- Collect full copies of data directly from patients' electronic medical records.
- Collect patient identifiers.

For more information, visit: Uniform Data System (UDS) Modernization Initiative

Hashed ID	Zip Code	Age	Race	Ethnicity	Diagnoses and Services	Electronic Clinical Quality Measures (eCQMs)

De-identification takes place at health center

Granular data that tells us about the patient without compromising their identity

Clinical outcomes are measured with eCQMs that have detailed specifications and guidance.
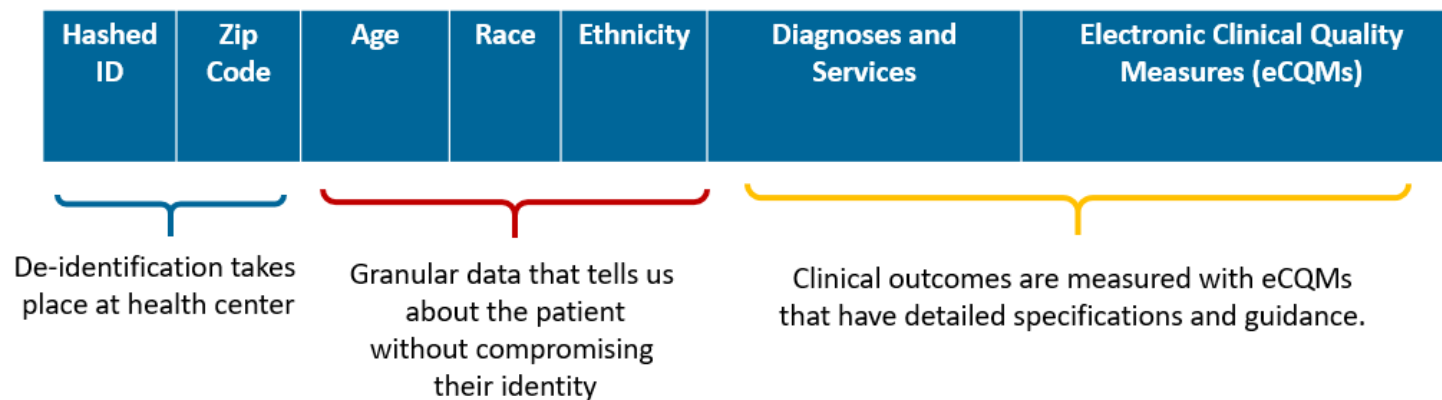
Benefits of patient-level data collection

- Articulate the **unique characteristics** and **needs** of health center patients

- Illustrate the **breadth and depth** of health center **services** and their impact on **health outcomes**

- Inform **training, technical assistance, research and evaluation**, and **health equity** work

- Improve **preparedness** for public health emergencies

- Improve ability to communicate the **complexity of the patient populations** health centers serve and provide **evidence for aligned reimbursements** for care provided

- **Alignment with national interoperability standards** supports health centers' ability to engage in future-state, integrated health care models

How can health centers prepare for UDS+?

UDS TEST COOPERATIVE

Join the UTC for continued UDS+ updates and resources.

HL7® FHIR®

Review:
- HL7.org
- HL7® FHIR® resources page
- UDS+ FHIR IG

ENGAGEMENT

Visit the UDS Modernization Initiative webpage for up-to-date UDS+ information.

Encourage your health IT vendors to join the UTC and participate in UDS+ testing before 2025.

? Submit questions through the BPHC Contact Form by selecting **Uniform Data System (UDS)** > **UDS Modernization** > **Patient-Level Submission (UDS+).**

UDS+ Reporting Requirements & the UTC

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UDS+ 2024 Reporting Year: Submission Requirements

2024 UDS+ Submissions Due by April 30th, 2025

1 Submit data for your *medical* patients

2 Submit *all* the demographic tables data
- **Table**: Patients by ZIP Code
- **Table 3A**: Patients by Age and by Sex Assigned at Birth
- **Table 3B**: Demographic Characteristics
- **Table 4**: Selected Patient Characteristics

3 Submit *1 eCQM* from **one** of the clinical tables below:
- **Table 6B**: Quality of Care Measures
  - Breast Cancer Screening
  - Cervical Cancer Screening
  - Colorectal Cancer Screening
- **Table 7**: Health Outcomes and Disparities
  - **Controlling High Blood Pressure***
  - Diabetes: Hemoglobin A1c (HbA1c) Poor Control (>9.0%)
  - ** Recommended measure*

2024 Calendar Year: UDS & UDS+ Reporting

All health centers are **required** to submit **aggregated** UDS data by **February 15, 2025**.

All health centers will be required to submit a minimum amount of **patient-level data (UDS+) by April 30, 2025**.
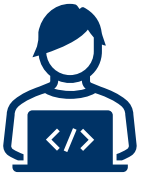
- Submit aggregated UDS data through EHBs, using the traditional submission method.
- Include all UDS tables and appendices.
- This will be the official submission of record.

- Submit UDS+ data via FHIR.
- Include only demographic data and 1 eCQM for **medical** patients.
- UDS+ submission supports system capacity building and progress towards full implementation.

EHBs will remain the submission of record.

UDS+ Submission Plan

CY 2023 UDS+ (submission in 2024)

- UDS EHB legacy is the official submission of record.

- Voluntary Reporting Goal – Validate UDS+ infrastructure and build out analytic capabilities.

- UDS+ 2023 voluntary participants influenced the 2024 minimum submission requirements.

CY 2024 UDS+ (submission in 2025)

- UDS EHB legacy will continue to be the submission of record.

- BPHC is requiring a minimum submission for UDS+.

- Goal – Support HIT vendors and health centers efforts to develop reporting capacity to progress to full implementation.

UDS+ CY 2024 Submission: FAQs

- **What if my UDS+ FHIR® data is inconsistent with my UDS data submission via EHBs?**
  - Health centers will not be penalized for any variations between data submitted using FHIR® and EHBs. The CY 2024 UDS+ submission will only include medical patients for many health centers, so HRSA expects the data to differ.

- **What if my HIT vendor is not ready to support UDS+ submission yet?**
  - We understand that there will be implementation questions unique to a health center. Please submit any questions about your UDS+ submission through the BPHC Contact Form.

- **What if our health center is in the middle of switching HIT vendors?**
  - We understand that there will be implementation questions unique to a health center. Please submit any questions about your UDS+ submission through the BPHC Contact Form.

UDS+ FHIR IG, version 1.0.1

UDS+ FHIR IG, Updates for version 1.0.2

- Build link (for review): https://build.fhir.org/ig/drajer-health/uds-plus/
- Backwards compatible with UDS+ FHIR IG, version 1.0.1

- Available Patient Population submissions
- Add support for eCQM parameters (ex: numerator/ denominator flags)
- Continue adding validations for multi-site submissions

UDS Test Cooperative (UTC)

A forum for representative stakeholders to provide feedback on potential UDS changes.

HRSA/BPHC	**Identify UDS requirements**
	Analyze feedback and make decisions
	Publish new UDS requirements
PCA/HCCN	**Identify test participants (health centers)**
	Coordinate with health centers conducting tests
Health Centers	**Engage and participate in the tests**
Health IT Vendors	**Set up testing infrastructure to support tests, when applicable**
NTTAPs	**Provide topic-related expertise and assistance**
UTC Coordinator	**Research, design, and manage the UTC tests**
	Analyze results and provide objective recommendations to HRSA based on test evidence and participant feedback
	Convene UTC and facilitate communications with the UTC steering committee

To join the UTC, please communicate your interest to HRSA using the BPHC Contact Form.

UTC Steering Committee

HRSA Region	States	Organization Name	Name	Email
Region 1	CT, ME, MA, NH, RI, VT	Ohio Shared Information Services, Inc.	Rebecca Rudd	rebecca.rudd@osisonline.net
Region 2	NJ, NY, PR, VI	Open Door Family Medical Center	Denise Egan	degan@odfmc.org
Region 3	DE, DC, MD, PA, VA, WV	Delaware Valley Community Health, Inc.	Isaiah Nathaniel	nathanieli@dvch.org
Region 4	AL, FL, GA, KY, MS, NC, SC, TN	Coastal Family Health Center	Stacey Curry*	scurry@coastalfamilyhealth.org
Region 5	IL, IN, MI, MN, OH, WI	Alliance Chicago	Andrew Hamilton*	ahamilton@alliancechicago.org
Region 6	AR, LA, NM, OK, TX	Presbyterian Medical Services Health Center	Kent Mosbrucker	kent.mosbrucker@pmsnm.org
Region 7	IA, KS, MO, NE	Center for Health Care Quality	Sam Joseph	sjoseph@mo-pca.org
Region 8	CO, MT, ND, SD, UT, WY	CCMCN	Jennifer Ammerman	jennifer@ccmcn.com
Region 9	AZ, CA, HI, NV, AS, MP, FM, GU, MH, PW	OCHIN	Scott Fields	fieldssa@ochin.org
Region 10	AK, ID, OR, WA	Tanana Chiefs Conference	Melissa Clemente	melissa.clemente@tananachiefs.org

*Co-chairs of the UTC

UDS+ 2023 Cohort Model

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UDS+ 2023 Voluntary Reporting: Cohort Model

Cohort 1 – March Submission and Full Data Review

Description: Submit live data during the voluntary UDS+ submission period **before March 31st (CLOSED)**.

Cohort 2 - Extended Testing, July Submission and Partial Data Review

Description: Continue Synthetic Testing and submit live data during the voluntary UDS+ submission period **before July 12th (CLOSED)**.*

Cohort 3 – Focus on Testing & Prep for 2024

Description: Vendors and Health Centers interested in participating but did not participate in Cohort 1 or Cohort 2 testing and are monitoring UDS+ participation and readiness. **Ongoing Option for Testing but No Voluntary 2023 Submission. Prep for 2024 requirements.**

Benefits:
- Continues engagement in public forums and outreach efforts to navigate UDS+.
- Continues support and encouragement to participate in testing and readiness.
- Promotes progress to prepare for the required UDS+ 2024 Calendar Year submission.

UDS+ Submissions: Cohort 1

- 5 HIT vendors have successfully passed our testing milestones and can participate in submissions
  - 3 HIT vendors submitted data for Cohort 1
    - 79 Health centers submitted UDS+ data in Cohort 1
    - 5 Look-Alikes submitted UDS+ data Cohort 1

- 26 US states and territories submitted UDS+ data
- 2 million+ patients were represented
- ~7% of health center patients represented

UDS+ Submissions: Cohort 2

- Health centers and/or vendors who were not ready for Cohort 1, have multiple vendors or other unique scenarios/circumstances that may make comparisons to UDS data challenging

- Health centers with unique HIT scenarios:
  - Separate dental or behavioral health record management systems
  - Those who needed additional time to complete data mapping and/or integration of data fields into data aggregator

UDS+ Testing: Cohort 3

- The main focus of *Cohort 3* is testing. We are rebranding it and referring to it as "*UDS+ Readiness and Testing*" in future discussions to better align with the intent of this cohort.

- We will allow for testing and preparation for the Calendar Year 2024 UDS+ requirement ahead of the live data sharing.

  - Synthetic testing will be available from now until December 31, 2024.

Data Lakehouse Presentation

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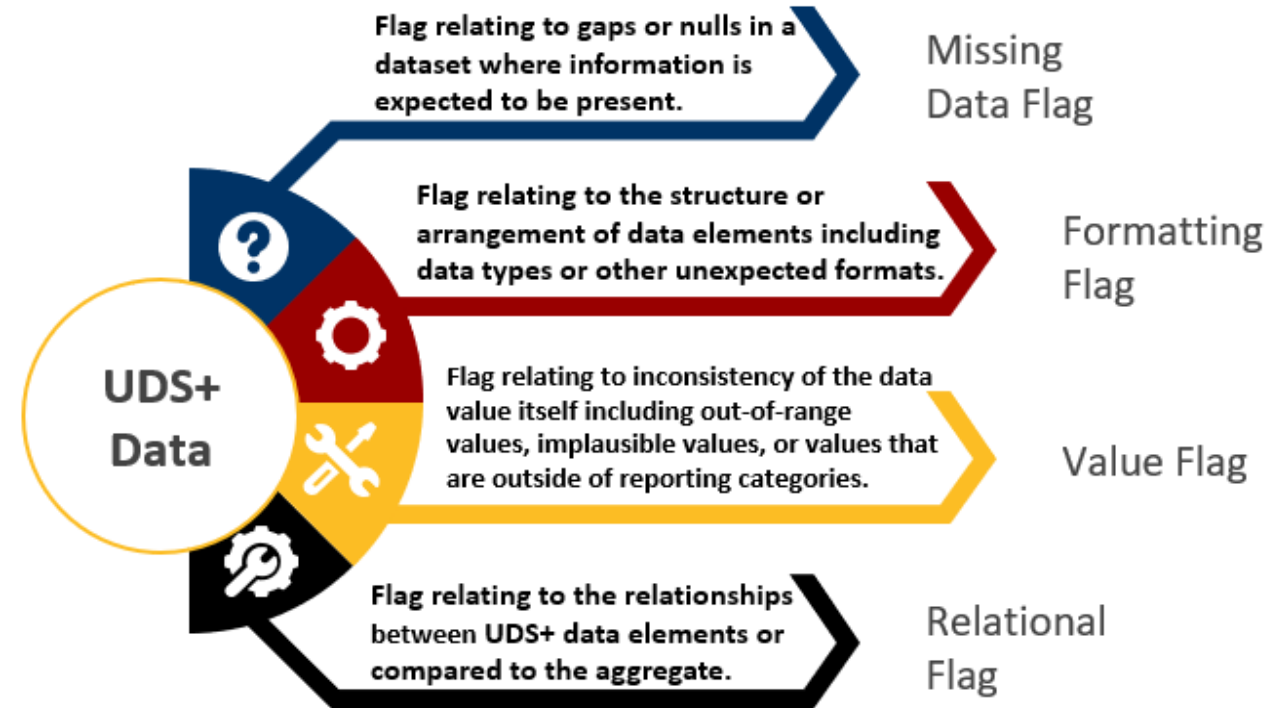
Data Lakehouse (DLH): Ingestion & Anomaly Detection

DLH Data Ingestion

- **UDS+**
  - Cohort 1: Complete
  - Cohort 2: In Progress

UDS+ Anomaly Detection

- Implemented Protected Health Information (PHI) detection program in DLH, no PHI detected

- Vendors will receive a validation report via **UDSPlusReports@hrsa.gov** summarizing anomalies present in submissions using 4 validation categories

UDS+ Data

Flag relating to gaps or nulls in a dataset where information is expected to be present. — Missing Data Flag

Flag relating to the structure or arrangement of data elements including data types or other unexpected formats. — Formatting Flag

Flag relating to inconsistency of the data value itself including out-of-range values, implausible values, or values that are outside of reporting categories. — Value Flag

Flag relating to the relationships between UDS+ data elements or compared to the aggregate. — Relational Flag

HRSA Health Center Program

Data Lakehouse (DLH): UDS+ Comparison Reports

UDS+ Comparison Reports

- **Purpose:** Compare UDS Legacy vs. UDS+ data
- **Audience**: Health Centers, Vendors
- **Mechanism to HCs**: Salesforce UDS+ Onboarding ticket
- **Mechanism to Vendors**: Email via UDSPlusReports@hrsa.gov

Status Update

- Cohort 1 Health Centers received Comparison Reports for **demographic data** and **selected patient characteristics** earlier this summer
- Vendors will receive a compiled version of those reports in late August in a package with the Validation Reports
- Cohort 1 Health Centers will receive Comparison Reports for **clinical quality measures** in late August

UDS+ Onboarding

UTC Monthly Meeting

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Onboarding Through the BPHC Contact Form

- Navigate to https://hrsa.my.site.com/support/s/.
- Scroll to the Uniform Data System category.
- Click UDS Modernization to access the future onboarding form.

Salesforce: Registration and Onboarding Information

- The Health Center Name*
- The Health Center's Grant Number(s)
- The Vendor that the Health Center will use for reporting UDS+ data
- Contact information for the UDS+ Point of Contact

*This must be the same name on the Health Center's grant(s).

UDS+ Onboarding Through the BPHC Contact Form

- The Health Center grant number must match the EHB submission.

UDS+ Onboarding Through the BPHC Contact Form

Section C. Vendor Authorization

* Please select your vendor from the list below *PLEASE NOTE IF YOU DO NOT SEE YOUR VENDOR THEY ARE NOT YET APPROVED AND YOU CANNOT CONTINUE*

--None--

--None--
Azara
eClinicalWorks, LLC
Greenway Health
i2i
MediRec, Inc.
NextGen Healthcare
Relevant Healthcare
Visualutions/athenapractice

Media Inquiries: If you are a member of the press, direct your inquiry to HRSA's Office of Communications at press@hrsa.gov or call 301-443-3376.

UDS+ Upcoming Meetings

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UDS+: Fall Regional Meetings

- HRSA will be offering region-specific meetings on UDS+ in September-October 2024

- Purpose of meetings is to review CY2024 UDS+ submission requirements, answer questions about the requirements, and review available resources to assist with preparation

- Health centers, PCAs, HCCNs and regional HRSA representatives will be invited to the meeting

Upcoming UDS+ Meetings

- ## UTC Monthly Meetings
  - January 2024- September 2024; third Wednesday of the month from 2:00-3:00pm ET
    - Wednesday, September 18

- ## NACHC CHI
  - Fireside Chat with BPHC: The Latest Emerging Issues and Administrative Updates
    - Sunday, August 25 from 1:30-2:45pm ET
  - Preparing For UDS+ Using Quality Measure Report Data
    - Sunday, August 25 from 3:15-4:30pm ET
  - UDS+ Office Hour
    - Monday, August 26 from 12:30-1:30pm ET

UDS+ Testing Office Hours

- The purpose of these office hours is to provide participants an open forum to ask questions and follow up on issues, with the UDS+ team, about registration and testing.

- Focus on technical questions

- UDS+ Testing Office Hours
  - **Shifting it to the first Thursday of the month**
  - 1:00-2:00pm ET

  - **Cohort 1, Data Forum**
  - Thursday, September 5 from 1:00-2:00pm ET

Resources

For the latest UTC and UDS+ information, please visit HRSA webpages:

- UTC
- UDS Modernization Initiative
- UDS Modernization FAQ
- UDS+ FHIR IG
- Health Center Program Community

For questions, comments, or suggestions:

BPHC Contact Form

Health Center Program

Key Terms

- **Data Lakehouse (DLH):** Cloud-based server created to ingest the UDS+ data submissions at HRSA
- **eCQMs:** electronic Clinical Quality Measures
- **EHB:** Electronic Handbooks (HRSA system for data collection and grant management)
- **FHIR®:** Fast Healthcare Interoperability Resources
- **HL7®:** A non-profit organization that develops standards for health information exchange and interoperability.
- **ONC:** Office of the National Coordinator for Health Information Technology
- **UDS:** Uniform Data System (legacy UDS refers to the UDS submitted via EHBs)
- **UDS+:** Uniform Data System Patient-level Submission (PLS)
- **USCDI:** United States Core Data Set for Interoperability
- **UTC:** UDS Test Cooperative

Additional information

- Additional resource for reference on how to read a FHIR IG:
  - [How to Conduct FHIR IG Review - FHIR Implementation Guide Creation Training - YouTube](#)