



Office of the National Coordinator
for Health Information Technology

USCDI+ Overview and Platform Demo

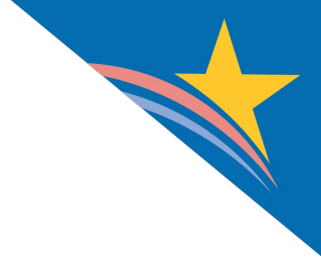
March 7, 2024

Elisabeth Myers, Deputy Director, Office of Policy, ONC

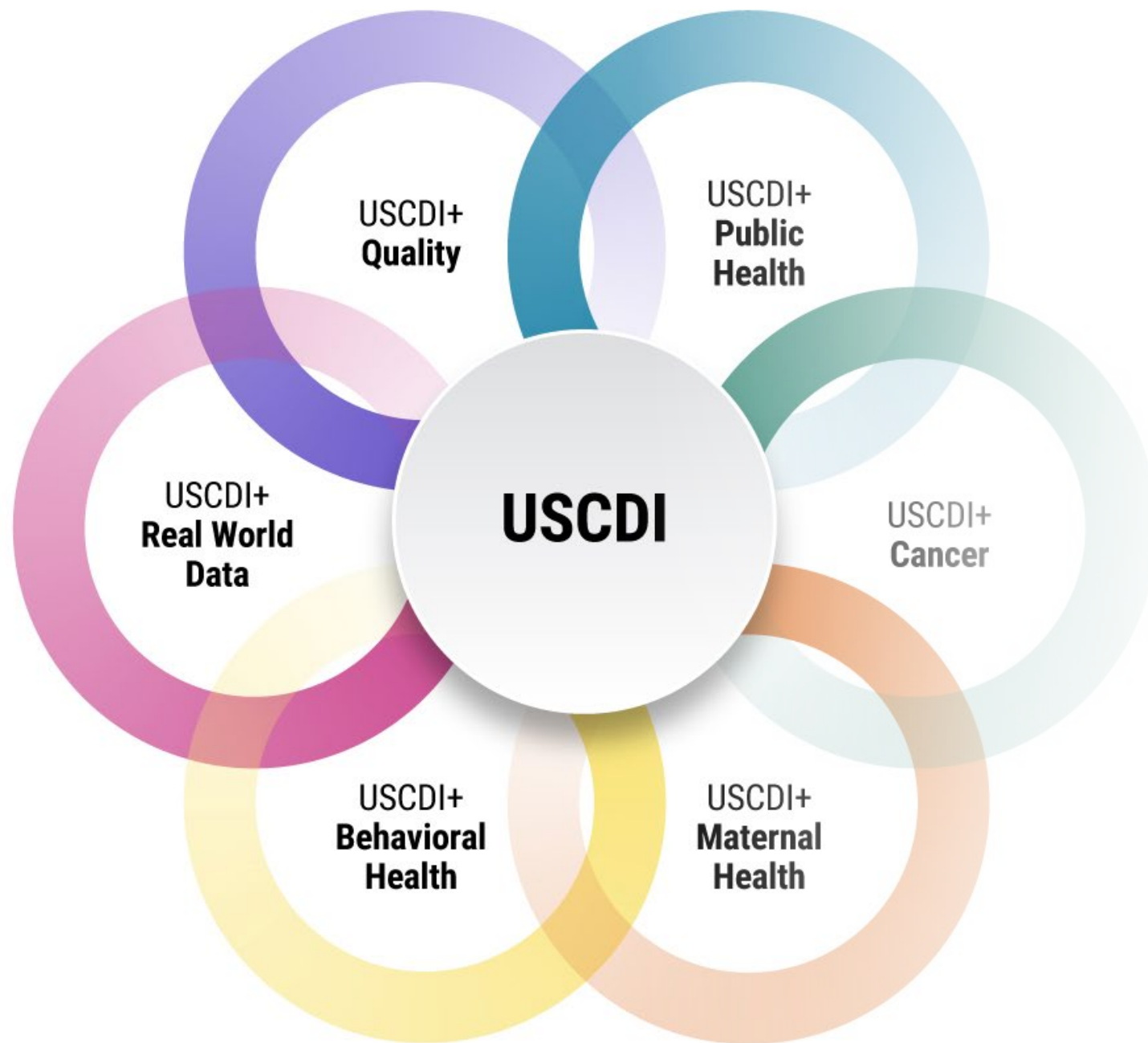
Matthew Rahn, Director, Standards Division, Office of Technology, ONC

Brett Andriesen, Deputy Director, Networks and Scalability Division,
Office of Technology, ONC





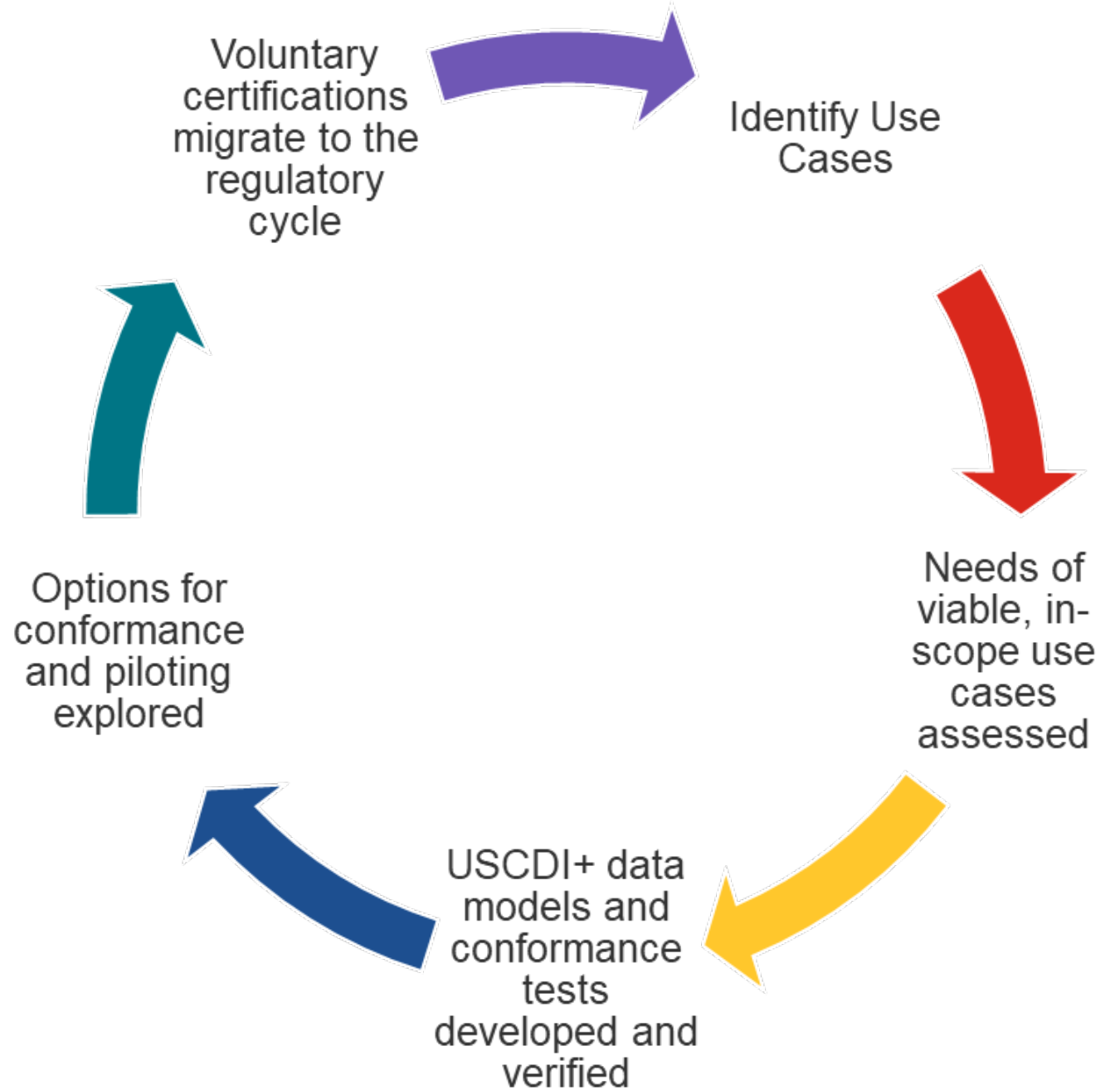
USCDI+ Overview



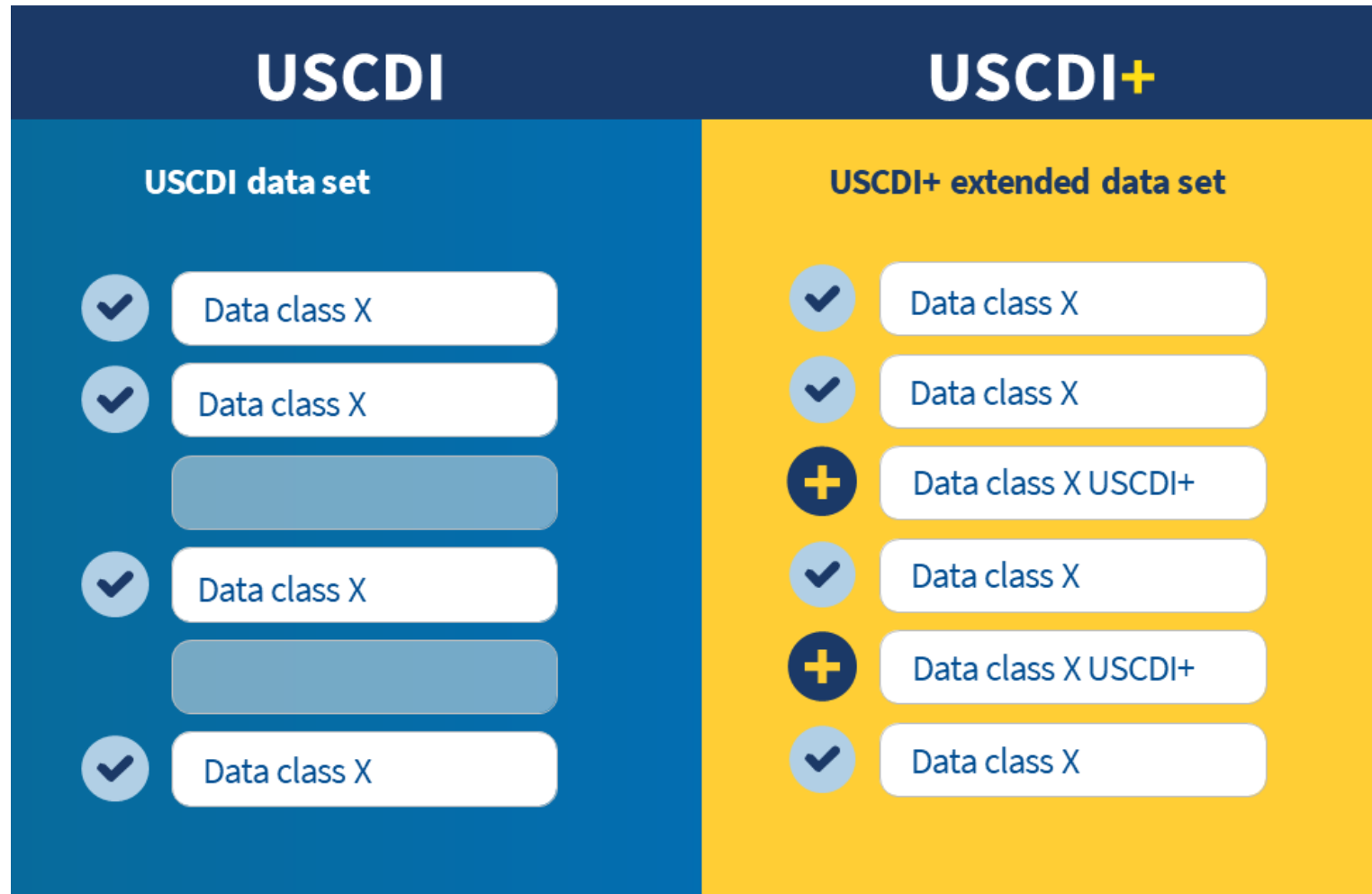
USCDI+: Extending Beyond the USCDI



USCDI+: Iterative, Rolling Process



USCDI and USCDI+



Core USCDI+ Principles



Collaboration



Harmonization



Specification



USCDI+ Program Updates

Active USCDI+ Programs

USCDI+
Cancer

USCDI+
Behavioral
Health

USCDI+
Maternal
Health

USCDI+
Public
Health

USCDI+
Quality

UDS+

USCDI+ Cancer

Partners

- National Institutes of Health/National Cancer Institute
- Centers for Medicare & Medicaid Services (CMS), CMMI Enhancing Oncology Model (EOM)
- Cancer Moonshot
- FDA
- CMS/CMMI

Recent Accomplishments

- Alignment of ongoing initiatives and use cases through Clinical Trial Matching Workgroup
- Drafted Landscape Analysis paper with supporting Consent and Provenance framework for Moonshot use cases

Upcoming Milestones

- Cancer Data Summit planned for May 8-9
- HL7 May Connectathon for EOM IG testing May 17-19



USCDI+ Public Health

Partners

- Centers for Disease Control and Prevention
- Centers for Medicare & Medicaid Services

Recent Accomplishments

- USCDI+ Public Health comment period for Case Reporting and Laboratory Data Exchange use cases closed March 4
- Data sets for other use cases under development

Upcoming Milestones

- Open platform to public comment for other use cases
- Process comments to update Case Reporting and Laboratory Data Exchange data element lists



USCDI+ Quality

Partners

- Centers for Medicare & Medicaid Services

Recent Accomplishments

- Public Comment period on USCDI+ Quality data element list closed

Upcoming Milestones

- Public comment processing underway to support publication of a new version of USCDI+ Quality on the platform



USCDI+ UDS

Partners

- HRSA

Recent Accomplishments

- Published Version 1.0.1 of the UDS+ FHIR IG
- Updated the HRSA UDS+ FHIR testing Sandbox to reflect the Version 1.0.1 IG improvements
- Educational Session at FHIR Connectathon 1/17

Upcoming Milestones

- Pilot is testing with multiple Health IT Vendors - three have successfully connected to the HRSA environment and submitted all 20 UDS+ FHIR Resources
- Go-Live for the first UDS+ reporting Cohort underway, scheduled to end 3/31

USCDI+ Behavioral Health

Partners

- Substance Use and Mental Health Services Administration (SAMHSA)

Recent Accomplishments

- Drafted USCDI+ Behavioral Data Element List
- Phase 1 of stakeholder engagement interviews complete – SAMHSA grantees

Upcoming Milestones

- Data element list will be live in platform in March
- Phase 2 of stakeholder interviews will be complete – providers and advocates

USCDI+ Maternal Health

Partners

- National Institutes of Health

Recent Accomplishments

- Phase 1 ended
- Phase 2 Pilot underway
- New pilot partners engaged, as well as some continuing

Upcoming Milestones

- Update Data Element list on platform
- Re-open to public comment targeted for late Spring



Active in Development

- Sickle Cell Disease
 - Coordinate with OASH and other internal/external partners to develop a minimum core data set of clinical data elements for SCD that will allow clinicians, researchers, patients, and payors better access the data and provide improved care.
- Acute Respiratory Failure
 - Coordinate with FDA and other internal/external partners to develop a dataset to support patient centered outcomes research involving treatments for patients who are critically ill due to acute respiratory failure.





USCDI+ Platform Overview

USCDI+ Platform

United States Core Data for Interoperability (USCDI)+

USCDI+ is a service that ONC provides to federal partners who have a need to establish, harmonize, and advance the use of interoperable datasets that extend beyond the core data in the USCDI in order to meet agency-specific programmatic requirements. Learn more about USCDI+ on HealthIT.gov. If you have any questions, technical issues, or need to request access for a colleague, please email USCDI.Plus@hhs.gov.

A USCDI+ "Domain" is a common set of data elements required for interoperability for multiple scenarios and use cases governed by the same set of standards, policies and/or guidelines. (Example: Public Health)

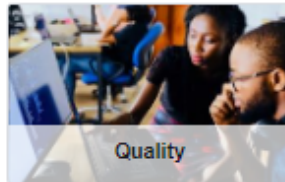
A USCDI+ "Use Case" is a common set of data elements required to support a specific set of functions within a Domain. (Example: Resource Reporting/Situational Awareness)

A USCDI+ "Data Class" is an aggregation of various Data Elements by a common scenario or use case. (Example: Facility Level Data)

A USCDI+ "Data Element" is the most granular level at which a piece of data is exchanged. (Example: Facility Address)

[New Data Element & Class \(ONDEC\) Submission System](#)

USCDI+ Domains



Latest News

USCDI+ User Guides

a day ago

Public Health: Laboratory Data Exchange Feedback Requested

8d ago

Public Health: Case Reporting Feedback Requested

8d ago

Comments

Maternal Health

• [uscdi.admin.persona](#)

<https://uscdiplus.healthit.gov/>

USCDI+ Relationships and Alignment

USCDI data is maintained in ONDEC. This site displays USCDI+ data. USCDI+ will update USCDI references on a regular basis; however, complete information about data classes and data elements in USCDI are located at healthit.gov/uscdi.

Data Type

USCDI+ Data Element

Created

3mo ago

Updated

4d ago

Encounter Diagnosis

Details

Relationships

Comments

☰ Associated Relationships

Keyword Search



Data Element ^	Data Class	Use Case	Domain
Encounter Diagnosis	Encounter Information	Cancer Overarching	Cancer
Encounter Diagnosis	Encounter Information	Maternal Health Overarching	Maternal Health
Encounter Diagnosis	Encounter Information	Case Reporting	Public Health
Encounter Diagnosis	Encounter Information	Quality Overarching	Quality



Rows 1 - 4 of 4

<https://uscdiplus.healthit.gov/>

New Site Functionality

- Ability to easily view data element:
 - USCDI Level
 - Associated Standards/Programs/Projects
 - Associated FHIR Profiles and Vocab Standards

Details Relationships Comments

Click on the Relationships tab for the Domain, Use Case, and Data Class values.

Date of Birth

Data Element Name:
Date of Birth

Submission Status: Published USCDI+ Level:

Description:
Known or estimated year, month, and day of the patient's birth.

Additional Information:

USCDI Information

In USCDI: Yes Current USCDI Level: USCDI V4

USCDI URL:
<https://www.healthit.gov/isa/taxonomy/term/736/uscdi-v4>

Standards and Projects

Applicable Vocabulary Standard(s):

Associated Reporting Program(s):

Associated US Core Profile(s):
US Core Patient

Associated Project(s):

Associated IG or Profile(s):
US Public Health Patient

New Site Functionality

- Ability to filter and download data elements across USCDI+

Home > List

Relationships

Show filter

All

Load Filter Save Filter Add Sort Clear All Run

All of these conditions must be met

-- choose field --

OR AND

or

New Criteria

Data Element	Domain	Data Class	Use Case
Gestational Age Determination Date	Public Health	Pregnancy Information	Case Reporting
Last Menstrual Period (LMP)	Public Health	Pregnancy Information	Case Reporting
Postpartum Status	Public Health	Pregnancy Information	Case Reporting
Estimated Date of Delivery	Public Health	Pregnancy Information	Case Reporting
Pregnancy Status Recorded Date	Public Health	Pregnancy Information	Case Reporting
Pregnancy Status Determination Method	Public Health	Pregnancy Information	Case Reporting
Pregnancy Status	Public Health	Pregnancy Information	Case Reporting
Gestational Age	Public Health	Pregnancy Information	Case Reporting
Gestational Age Determination Method	Public Health	Pregnancy Information	Case Reporting
Estimated Date of Delivery Determination Method	Public Health	Pregnancy Information	Case Reporting
Facility Name	Maternal Health	Facility Information	Maternal Health Overarching
Facility Address	Maternal Health	Facility Information	Maternal Health Overarching
Facility Type	Maternal Health	Facility Information	Maternal Health Overarching



Discussion