USCDI Version Update Process

2020

- USCDI v1 Final

2021

- USCDI v2 Draft
- USCDI v2 Final: Considered for 2021 SVAP

2022

- USCDI v3 Draft
- USCDI v3 Final: Considered for 2022 SVAP

Submission & Review Period - v2

- ONC v2 Draft Prep
- HITAC v2 Public Comment v2
- ONC Review/Approval

Submission & Review Period - v3

- ONC v3 Draft Prep
- HITAC v3 Public Comment v3
- ONC Review/Approval

Submission & Review Period - v4
## USCDI ONDEC Submissions

<table>
<thead>
<tr>
<th>Level Assignments</th>
<th>Data Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 2</td>
<td>109</td>
</tr>
<tr>
<td>Level 1</td>
<td>55</td>
</tr>
<tr>
<td>Comment Level</td>
<td>140</td>
</tr>
<tr>
<td>Total Data Elements Submitted</td>
<td>664*</td>
</tr>
</tbody>
</table>

*Includes Merged/Duplicated data elements*
## Vital Signs
- Diastolic Blood Pressure
- Systolic Blood Pressure
- Body Height
- Body Weight
- Heart Rate
- Respiratory Rate
- Body Temperature
- Pulse Oximetry
- Inhaled Oxygen Concentration
- BMI Percentile (2-20 Years)
- Weight-for-length Percentile (Birth-36 Months)
- Occipital-frontal Head Circumference Percentile (Birth-36 Months)

## Problems
- Problems
- Date of Diagnosis
- Date of Resolution

## Procedures
- Procedures

## Provenance
- Author Time Stamp
- Author Organization

## Smoking Status
- Smoking Status

## Unique Device Identifier(s) for a Patient’s Implantable Device(s)
- Unique Device Identifier(s) for a Patient’s Implantable Device(s)

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### Draft USCDI v2

<table>
<thead>
<tr>
<th>Data Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allergies and Intolerances</td>
<td>Substance (Medication), Substance (Drug Class), Reaction</td>
</tr>
<tr>
<td>Assessment and Plan of Treatment</td>
<td>Assessment and Plan of Treatment</td>
</tr>
<tr>
<td>Care Team Members</td>
<td>Care Team Members, Provider Name, Provider Identifier</td>
</tr>
<tr>
<td>Clinical Notes</td>
<td>Consultation Note, Discharge Summary Note, History &amp; Physical, Procedure Note, Progress Note</td>
</tr>
<tr>
<td>Diagnostic Imaging</td>
<td>Diagnostic Imaging Order, Diagnostic Imaging Report, Diagnostic Imaging Narrative</td>
</tr>
<tr>
<td>Encounter Information</td>
<td>Encounter Type, Encounter Diagnosis, Encounter Time</td>
</tr>
<tr>
<td>Goals</td>
<td>Patient Goals</td>
</tr>
<tr>
<td>Health Concerns</td>
<td>Health Concerns</td>
</tr>
<tr>
<td>Immunizations</td>
<td>Immunizations</td>
</tr>
<tr>
<td>Laboratory</td>
<td>Tests, Values/Results, Laboratory Report Narrative, Pathology Report Narrative</td>
</tr>
<tr>
<td>Medications</td>
<td>Medications</td>
</tr>
<tr>
<td>Patient Demographics</td>
<td>First Name, Last Name, Previous Name, Middle Name (incl. middle initial), Suffix, Birth Sex, Date of Birth, Race, Ethnicity, Preferred Language, Current Address, Previous Address, Phone Number, Phone Number Type, Email Address</td>
</tr>
<tr>
<td>Problems</td>
<td>Problems, Date of Diagnosis, Date of Resolution</td>
</tr>
<tr>
<td>Procedures</td>
<td>Procedures</td>
</tr>
<tr>
<td>Provenance</td>
<td>Author Time Stamp, Author Organization</td>
</tr>
<tr>
<td>Smoking Status</td>
<td>Smoking Status</td>
</tr>
<tr>
<td>Vital Signs</td>
<td>Diastolic Blood Pressure, Systolic Blood Pressure, Body Height, Body Weight, Heart Rate, Respiratory Rate, Body Temperature, Pulse Oximetry, Inhaled Oxygen Concentration, BMI Percentile (2-20 Years), Weight-for-length Percentile (Birth-36 Months), Occipital-frontal Head Circumference Percentile (Birth-36 Months)</td>
</tr>
</tbody>
</table>

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**Key:**
- New Data Class or Element
- Data Element reclassified
Draft USCDI version 2
New Data Classes and Elements

• Care Team Members
  • Provider Name
  • Provider Identifier

• Diagnostic Imaging
  • Diagnostic Imaging Order
  • Diagnostic Imaging Report

• Encounter Information
  • Encounter Type
  • Encounter Diagnosis
  • Encounter Time

• Problems
  • Date of Diagnosis
  • Date of Resolution
Draft USCDI version 2
Reclassified Clinical Note Data Elements

• Clinical Notes
  • Consultation Note
  • Discharge Summary Note
  • History & Physical
  • Procedure Note
  • Progress Note
  • Diagnostic Imaging Narrative
  • Laboratory Report Narrative
  • Pathology Report Narrative

• Diagnostic Imaging
  • Diagnostic Imaging Narrative

• Laboratory
  • Laboratory Report Narrative
  • Pathology Report Narrative
Draft USCDI version 2
Updated Applicable Standards Versions

• USCDI v1
  • RxNorm - January 6, 2020
  • SNOMED CT - September 2019
  • LOINC 2.67
  • ICD-10-PCS 2020
  • CVX - January 31, 2020
  • Vaccine NDC Linker - January 31, 2020
  • CPT 2020

• Draft USCDI v2
  • RxNorm - January 4, 2021
  • SNOMED CT - September 2020
  • LOINC 2.69
  • ICD-10-PCS 2021
  • CVX - November 16, 2020
  • Vaccine NDC Linker - November 13, 2020
  • CPT 2021
Draft USCDI version 2
Update Process

Prioritization criteria for Level 2 data elements

- Significant gaps in USCDI v1 concepts
- Supported by existing ONC Certification
- Modest technical standards development
- Modest aggregate lift for vendor development and implementation, esp. during pandemic
Draft USCDI version 2
Finalization

Next Steps

• HITAC and public review and comment (January – April 15, 2021)
• USCDI V2 (final) standard document published July 1, 2021
• Consider for Standards Version Advancement Process Approved Standard
• Review and refine USCDI version update process
2021 USCDI Task Force Charges

Overarching charge:
Review and feedback on the Draft USCDI Version 2 content and process

Specific charges: Due

• Evaluate Draft USCDI v2 and provide HITAC with recommendations for:
  • Data classes and elements from USCDI v1 including applicable standards version updates
  • New data classes and elements from Draft USCDI v2 including applicable standards
  • Level 2 data classes and elements not included in Draft USCDI v2
  April 15, 2021

• Evaluate the USCDI expansion process and provide HITAC with recommendations for:
  • ONDEC submission system improvements
  • Evaluation criteria and process used to assign levels to submitted data classes and elements
  • Prioritization process used by ONC to select new data classes and elements for Draft USCDI v2
  September 9, 2021

• Recommend prioritization areas for USCDI version 3 submission cycle
  September 9, 2021
Questions?
Backup Slides
Level 2 Data Element Submissions – Existing Data Classes

Allergies and Intolerances
- Represents harmful or undesirable physiological response associated with exposure to a substance.
  - Substance (Food)
  - Substance (Non-Medication)

Care Team Member(s)
- The specific person(s) who participate or are expected to participate in the care team.
  - Provider DEA Number
  - Provider Identifier
  - Provider Location
  - Provider Name
  - Provider NPI
  - Provider Role
  - Provider Telecom Information

Immunizations
- Record of an administration of a vaccination or a record of a vaccination as reported by a patient, a clinician, or another party.
  - Immunization Administered Date
  - Immunization Code
  - Immunization Status
  - Reason Immunization Not Performed
  - Vaccination Administration Date
  - Vaccination Event Record Type

Laboratory
- Laboratory Result Status
- Laboratory Result Value
- Laboratory results: date and timestamps
- Laboratory Test/Performed Date
- Laboratory Test/Panel Code

Medications
- Date Medication Administered
- Date Medication Prescribed
- Discharge medications
- Dosage
- Medication Administered Code
- Medication Administered Performer
- Medication Administered Reason
- Reference
- Medication Administration
- Medication Administration Dose
- Medication Administration Dose Units
- Medication Prescribed Code
- Medication Prescribed Dose
- Medication Prescribed Dose Units
- Medication Prescribed Reason
- Reference
- Medications Dispensed
- Negation Rationale

Procedures
- An activity that is performed with or on a patient as part of the provision of care.
  - Location of Procedure
  - Procedure Timing

Provenance
- The metadata, or extra information about data, that can help answer questions such as when and who created the data.
  - Author

Unique Device Identifier(s) for a Patient’s Implantable Device(s)
- A unique numeric or alphanumeric code that consists of a device identifier (DI) and a production identifier (PI).
  - UDI-Device Identifier or UDI-DI
  - UDI-Production Identifier
  - UDI-Production Identifier Expiration Date
  - UDI-Production Identifier Expiration Date
  - UDI-Production Identifier-Distinct
  - UDI-Production Identifier-Distinct Code or UDI-P1-DIC
  - UDI-Production Identifier-Lot or UDI-P1-Lot
  - UDI-Production Identifier-Manufacturing Date or UDI-P1-Manufacturing Date
  - UDI-Production Identifier-Serial or UDI-P1-Serial

Vital Signs
- Physiologic measurements of a patient that indicate the status of the body’s life sustaining functions.
  - Average Blood Pressure
  - BMI
  - Vital sign results: date and timestamps

Link to USCDI Level 2 tab for review
# Level 2 Data Element Submissions – New Data Classes

<table>
<thead>
<tr>
<th>USCDI V1</th>
<th>USCDI Draft V2</th>
<th>Level 2</th>
<th>Level 1</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diagnostic Studies/Exams</strong>&lt;br&gt;Diagnostic studies and exams with results</td>
<td><strong>Health Insurance</strong>&lt;br&gt;Coverage Period&lt;br&gt;Coverage Type&lt;br&gt;Group Number&lt;br&gt;Member Identifier&lt;br&gt;Payer Identifier&lt;br&gt;Payer Name&lt;br&gt;Policy Number&lt;br&gt;Subscriber Identifier</td>
<td><strong>Observations</strong>&lt;br&gt;Observation Code&lt;br&gt;Observation Performer&lt;br&gt;Observation Subject&lt;br&gt;Observation Timing&lt;br&gt;Observation Value</td>
<td><strong>Orders</strong>&lt;br&gt;Types of orders for medical care/services</td>
<td><strong>Social History</strong>&lt;br&gt;Alcohol Use&lt;br&gt;Drug Use&lt;br&gt;Refugee Status&lt;br&gt;Sexual Activity&lt;br&gt;Social History Observation</td>
</tr>
<tr>
<td><strong>Encounter Information</strong>&lt;br&gt;Encounter Diagnosis&lt;br&gt;Encounter Disposition&lt;br&gt;Encounter Location&lt;br&gt;Encounter Timing&lt;br&gt;Encounter Type</td>
<td><strong>Imaging procedures</strong>&lt;br&gt;Imaging order&lt;br&gt;Imaging report</td>
<td><strong>Social Determinants of Health</strong>&lt;br&gt;Assessment&lt;br&gt;Goals&lt;br&gt;Interventions&lt;br&gt;Outcomes&lt;br&gt;Problems/Health Concerns</td>
<td><strong>Specimen</strong>&lt;br&gt;Specimen collection date&lt;br&gt;Specimen source site&lt;br&gt;Specimen type</td>
<td><strong>Travel Information</strong>&lt;br&gt;Travel History Dates&lt;br&gt;Travel History Location&lt;br&gt;Travel Plans Dates&lt;br&gt;Travel Plans Location</td>
</tr>
<tr>
<td><strong>Facility Level Data</strong>&lt;br&gt;Facility Address&lt;br&gt;Facility Contact Information&lt;br&gt;Facility GPS Coordinates&lt;br&gt;Facility Identifier&lt;br&gt;Facility Managing Organization Identifier&lt;br&gt;Facility Name&lt;br&gt;Facility Type</td>
<td><strong>Medical Device or Equipment</strong>&lt;br&gt;Devices used (applied)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Family Health History</strong>&lt;br&gt;Family Health History</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Link to USCDI Level 2 tab for review