The Office of the National Coordinator for Health Information Technology

Health IT Advisory Committee

U.S. Core Data for Interoperability Task Force

Christina Caraballo, Co-Chair
Terry O’Malley, Co-Chair

July 26, 2019
Agenda

• Call to Order/Roll Call
• Opening Remarks
• Review Task Force Work Plan and Calendar
• Discuss Level Promotion Criteria
• Public Comment
• Next Steps and Adjourn
USCDI Task Force Charge: Data Element Promotion Model

• **Overarching Charge:** Review and provide feedback on the U.S. Core Data for Interoperability (USCDI) Data Element Promotion Model.

• **Specific Charge:** Provide recommendations on the following:
  » Promotion Model Lifecycle for Submitted Data Elements
  » Data Element Submission Information
  » Data Element Promotion Criteria

• **Supplemental:** Discuss additional defining criteria as needed
## Work Plan – Phase 2

<table>
<thead>
<tr>
<th>Meeting Date</th>
<th>Potential Discussion Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 17, 2019</td>
<td>• Phase 2 Kickoff</td>
</tr>
<tr>
<td></td>
<td>• Discuss Promotion Model Guidelines</td>
</tr>
<tr>
<td>May 31, 2019</td>
<td>• Discuss Promotion Model Lifecycle</td>
</tr>
<tr>
<td>June 14, 2019</td>
<td>• Discuss Data Element Submission Criteria</td>
</tr>
<tr>
<td>June 28, 2019</td>
<td>• Discuss Level 1 Classification</td>
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<tr>
<td>July 12, 2019</td>
<td>• Discuss Level 2 Classification</td>
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<tr>
<td>July 26, 2019</td>
<td>• Discuss Level Promotion Criteria</td>
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<tr>
<td>August 9, 2019</td>
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<td>August 23, 2019</td>
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<tr>
<td>September 6, 2019</td>
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<tr>
<td>September 17, 2019</td>
<td>• Present recommendations to HITAC</td>
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</table>
Discuss Level Promotion Criteria

- Google document
To make a comment please call:

**Dial: 1-877-407-7192**

*(once connected, press "*1" to speak)*

All public comments will be limited to three minutes.

You may enter a comment in the "Public Comment" field below this presentation.

Or, email your public comment to onc-hitac@accelsolutionsllc.com.

*Written comments will not be read at this time, but they will be delivered to members of the Workgroup and made part of the Public Record.*
Meeting Adjourned
## USCDI Promotion Model – Annual Promotion/Status

<table>
<thead>
<tr>
<th>Level 3</th>
<th>“USCDI”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 2</td>
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<tr>
<td>Level 1</td>
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</table>

### Comments
- Open Submission

#### Levels
- **Level 3**
  - Voted for entry by HITAC, Public, & ONC
  - Nationwide Adoption
    - N≤10s
- **Level 2**
  - Updated by Stakeholders
  - Classified by ONC
  - Evidence of Impact/Use
    - N=10s
- **Level 1**
  - Updated by Stakeholders
  - Classified by ONC
  - Specified and Pilot Tested/Prototype Use
    - N<100
  - Novel Usage/Prepared for Testing
    - N=100s
• Any individual or entity may submit a Data Element to the USCDI process and contribute to a Data Element’s promotion.

• The USCDI Promotion Process guidelines and criteria will be transparent to the public.

• The Data Element information submitted for entry to the USCDI Promotion Process will determine whether the Data Element enters Level 1, Level 2, or requires more development before entering the Process.

• No newly-proposed Data Element can proceed directly into the USCDI.

• Data Elements that do not demonstrate technical development activities will be removed from the promotion process after specified periods of time.
Promotion Model Lifecycle for Submitted Data Elements

• Submitted Data Elements exist as “Comments” and are then classified by ONC.

• Data Elements not classified into Level 1 or Level 2 have three submission cycles from the ONC final decision period before they are removed. Data Element submissions may be updated and resubmitted to be reviewed again.

• Once classified into Level 1 or Level 2, a Data Element has up to three submission cycles to be promoted to its next level (from Level 1 to Level 2, or Level 2 to USCDI).

• When a Data Element is removed from the process due to lack of progress, it is archived in the Comments section.

• After a Data Element’s classification has been published a submitter will have an opportunity to ask for a debrief on the classification decision.
Data Element Promotion Criteria: From “Comment” to Level 1 classification

• A new Data Element submission must include the following information:
  » Data Element name and description
  » Why should this Data Element be captured and exchanged nationwide?
  » Do systems currently capture this Data Element?
  » Do standards exist to represent and exchange this Data Element?
  » Please describe any testing, pilots, or production use of the Data Element.

• To be formally entered into the Promotion Process at Level 1, a Data Element must meet the following requirements:
  » Identify at least one developed use case, including its relevance to nationwide exchange
  » Identify at least one content standard (or implementation guide) with which it can be used
  » Demonstrate that it has been tested for exchange
Data Element Promotion Criteria
To move from Level 1 to Level 2 classification

• To be eligible to move to Level 2, a Data Element must demonstrate that it has achieved sufficient technical development to be tested at scale:
  » Have a definition for the Data Element, including technical representation (structured or unstructured) in at least one content standard (or implementation guide) and, if applicable, vocabulary or value set binding; and
  » Has been tested successfully in at least two independent systems.
Data Element Promotion Criteria
To move from Level 2 to the USCDI (1/2)

1. Technical Maturity – The Data Element must demonstrate that it:
   - Has been tested successfully in at least four independent systems.
   - Has formal, published documentation for its representation and exchange.

2. Nationwide Applicability – The Data Element submission must include the following information:
   - How it impacts healthcare costs for individuals and populations
   - Estimated number of providers who would use this Data Element
   - Whether there are any restrictions to the Data Element’s standardization
   - Estimated industry burden to implement the Data Element
The Health IT Advisory Committee (HITAC) would be charged to review Level 2 Data Elements that seek to move into the USCDI, including

- Assess the cumulative impact of USCDI-recommended Data Elements; and
- Provide recommendations to the National Coordinator on an annual basis.

A Data Element would be added to the USCDI when the National Coordinator approves its promotion, weighing feedback from public comment and HITAC recommendations.
USCDI and Standards Versions Advancement Process
Annual Relationship (Example Post-Final Rule)
## Task Force Members

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Organization</th>
<th>Organization Type</th>
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<tbody>
<tr>
<td><strong>CO-CHAIRS</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Christina</td>
<td>Caraballo</td>
<td>Audacious Inquiry</td>
<td>Consultant/Patient Advocacy</td>
</tr>
<tr>
<td>Terrence</td>
<td>O’Malley</td>
<td>Massachusetts General Hospital</td>
<td>Health &amp; Hospital Organization</td>
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<tr>
<td><strong>MEMBERS</strong></td>
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<tr>
<td>Tina</td>
<td>Esposito</td>
<td>Advocate Aurora Health</td>
<td>Health &amp; Hospital Organization</td>
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<tr>
<td>Valerie</td>
<td>Grey</td>
<td>New York eHealth Collaborative</td>
<td>Health IT Organization</td>
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<td>Kensaku</td>
<td>Kawamoto</td>
<td>University of Utah Health</td>
<td>Health &amp; Hospital Organization</td>
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<tr>
<td>Steven</td>
<td>Lane</td>
<td>Sutter Health</td>
<td>Health &amp; Hospital Organization</td>
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<tr>
<td>Leslie</td>
<td>Lenert</td>
<td>Medical University of South Carolina</td>
<td>Health &amp; Hospital Organization</td>
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<td>Clem</td>
<td>McDonald</td>
<td>National Library of Medicine (NLM)</td>
<td>Federal</td>
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<tr>
<td>Brett</td>
<td>Oliver</td>
<td>Baptist Health</td>
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<td>Steve</td>
<td>Ready</td>
<td>Norton Healthcare</td>
<td>Health &amp; Hospital Organization</td>
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<tr>
<td>Mark</td>
<td>Roche</td>
<td>Centers for Medicare &amp; Medicaid Services (CMS)</td>
<td>Federal</td>
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<tr>
<td>Sasha</td>
<td>TerMaat</td>
<td>Epic</td>
<td>EHR Vendor</td>
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<tr>
<td>Sheryl</td>
<td>Turney</td>
<td>Anthem Blue Cross Blue Shield</td>
<td>Health IT Technology</td>
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<td><strong>ONC STAFF</strong></td>
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<tr>
<td>Al</td>
<td>Taylor</td>
<td>ONC</td>
<td>Federal</td>
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<tr>
<td>Adam</td>
<td>Wong</td>
<td>ONC</td>
<td>Federal</td>
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The Office of the National Coordinator for Health Information Technology

**USCDI v1**

Data Elements in blue are already included in the 2015 Common Clinical Data Set (CCDS).

A SET OF DATA CLASSES TO SUPPORT NATIONWIDE INTEROPERABILITY

The USCDI Version 1 (USCDI v1) is proposed as a standard (§ 170.213). It reflects the same data classes referenced by the CCDS definition and includes new required data classes and data elements, noted below.

If adopted, health IT developers will need to update their certified health IT to support the USCDI for all certification criteria affected by this change.

<table>
<thead>
<tr>
<th><strong>Assessment and Plan of Treatment</strong></th>
<th><strong>Laboratory</strong></th>
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<tbody>
<tr>
<td>Care Team Members</td>
<td>Tests</td>
</tr>
<tr>
<td>Clinical Notes *NEW</td>
<td>Values/Results</td>
</tr>
<tr>
<td>- Consultation Note</td>
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<tr>
<td>- Discharge Summary Note</td>
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<tr>
<td>- History &amp; Physical</td>
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<tr>
<td>- Imaging Narrative</td>
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<tr>
<td>- Laboratory Report Narrative</td>
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<tr>
<td>- Pathology Report Narrative</td>
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<tr>
<td>- Procedure Note</td>
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<td>- Progress Note</td>
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**Provenance *NEW**
- Author
- Author Time Stamp
- Author Organization

**Smoking Status**

**Unique Device Identifier(s) for a Patient’s Implantable Device(s)**

**Vital Signs**
- Diastolic Blood Pressure
- Systolic Blood Pressure
- Body Height
- Body Weight
- Heart Rate
- Respiratory rate
- Body Temperature
- Pulse oximetry
- Inhaled oxygen concentration

**Pediatric Vital Signs *NEW**
- BMI percentile per age and sex for youth 2-20
- Weight for age per length and sex
- Occipital-frontal circumference for children < 3 years old

Data Elements in pink are those for which ONC seeks recommendations in the Phase 1 charge.