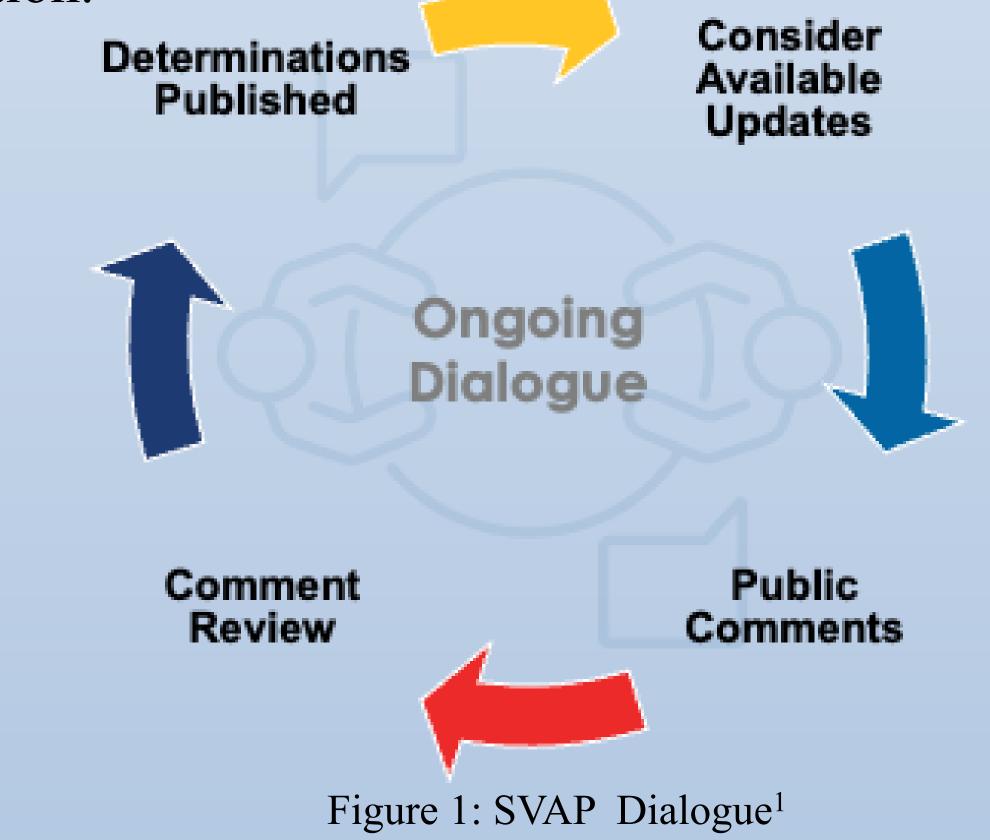


### Overview

Standardized data capture supports eCQM and dQM requirements for patient-centered care, including functional & cognitive status as recent examples. ONC proposes new data classes annually with USCDI to enhance critical data capture and interoperability. HL7 US Core adds specificity to data requirements based on an annual roadmap schedule. QI-Core further aligns profiles for authoring. This standards development process enables data availability for eCQMs and dQMs.

### **Standards Version Approval Process**

The SVAP allows developers to choose among versions of standards and implementation specifications listed in regulation or approved versions further encouraging adoption.



# **ISA Content**

ISA activities gather community input regarding readiness for each standard and implementation specification listed for each interoperability need, evaluating six categories:

- Standards Process Maturity Federally Required
- Implementation Maturity
- Adoption Level
- Cost
- Test Tool Availability

FUNCTIONAL STATUS/DISABILITY

nteroperability Need: Representing Patient Functional Status and/or Disability								
	Standard / Implementation Specification	Standards Process Maturity	Implementation Maturity		Federally Required		Test Tool Availability	
Standard for observations	LOINC®	Final	Production	$\bullet \bullet \circ \circ \circ$	No	Free	N/A	
Standard for observation values	SNOMED CT® U.S. Edition	Final	Production	•0000	No	Free	N/A	
	<u>HL7® FHIR® US Core R.4.0 –</u> Functional Status			Feedback Requested	No	Free		

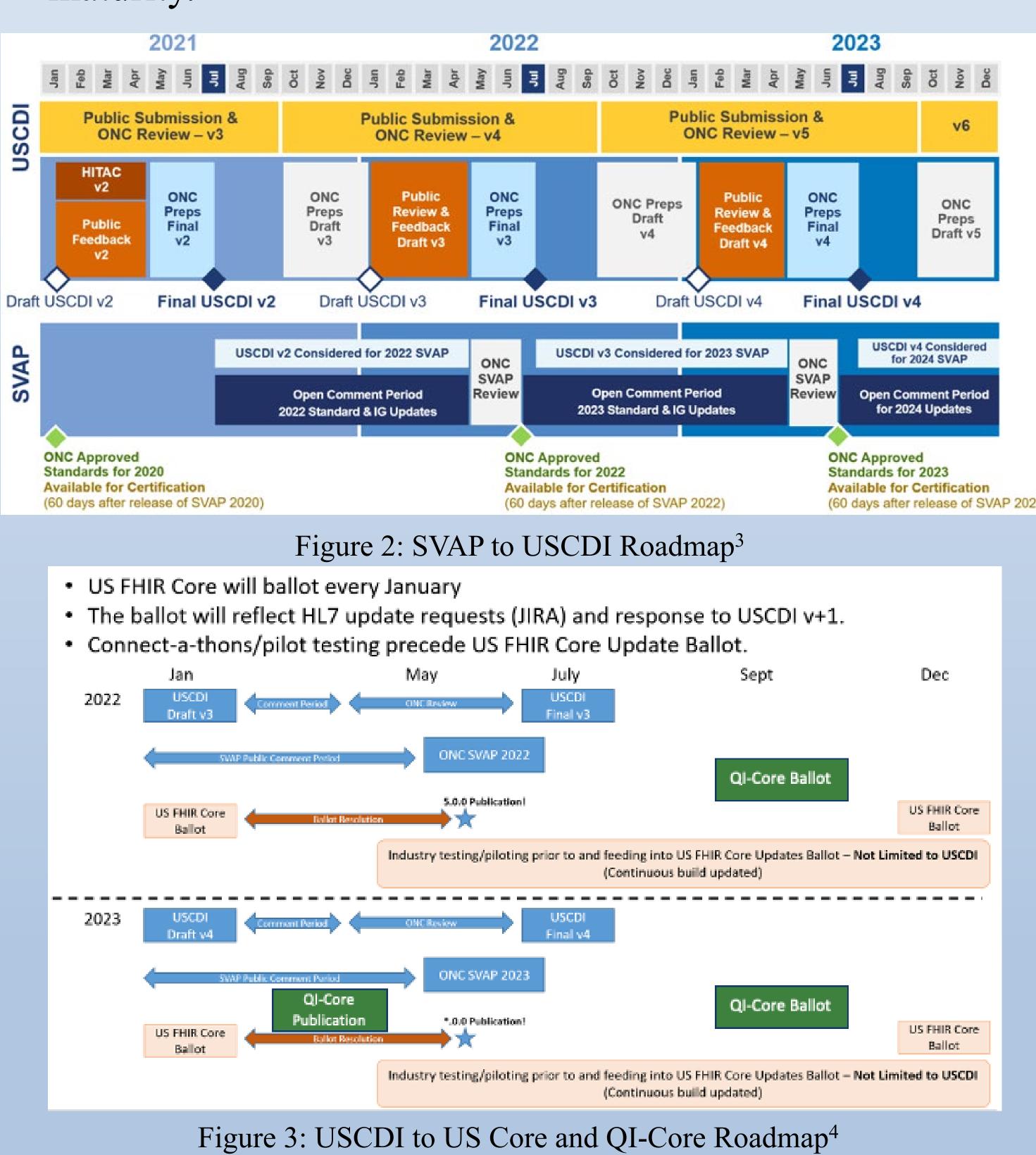
Table 1: Example of ISA for Functional Status/Disability Maturity<sup>2</sup>

# Moving from USCDI to Real-World Data Capture for Support of eCQM and dQM Requirements for Patient-Centered Care

## **USCDI to SVAP to US Core/QI-Core Processes**

Potential standards move through review and balloting processes to be determined in a "published" status: • Draft standards are defined in USCDI, reviewed & released

- in each draft USCDI version.
- Updates in USCDI are reviewed and evaluated via SVAP.
- Concepts are modeled in US Core, QI-Core, and published after balloting for community review and comment.
- ISA measures the standard's implementation and adoption maturity.



# **Common Acronyms**

- Digital Quality Measures (dQMs)
- Electronic Clinical Quality Measures (eCQMs)
- Fast Healthcare Interoperability Resources<sup>®</sup> (FHIR<sup>®</sup>)
- Health Level 7<sup>®</sup> International (HL7<sup>®</sup>)
- Quality Data Model (QDM)
- Quality Improvement-Core (QI-Core)

• Office of the National Coordinator for Health Information Technology (ONC)

• Social Determinants/Drivers of Health (SDOH)

Standards Version Advancement Process (SVAP)

United States Core Data for Interoperability (USCDI)

### **Data Transition**

USCDI	US Core	QI-Core		
v2 (published 7/2021)	v5.0.1 (June 2022)	v5 (est. March 2023)		
<ul> <li>SDOH Assessment</li> <li>SDOH Goals</li> <li>SDOH Interventions</li> </ul>	<ul> <li>US Core Observation SDOH Assessment Profile</li> <li>US Core QuestionnaireResponse Profile</li> </ul>	<ul> <li>US Core Observation SDOH Assessment Profile</li> <li>QI-Core QuestionnaireResponse Profile</li> </ul>		
<ul> <li>Health Concerns</li> </ul>	<ul> <li>US Core Condition Problems and Health Concerns Profile</li> </ul>	<ul> <li>QI-Core Condition Problems and Health Concerns Profile</li> </ul>		
<ul> <li>Sexual Orientation</li> <li>Gender Identity</li> </ul>	<ul> <li>US Core Observation Sexual Orientation Profile</li> </ul>	<ul> <li>US Core Observation Sexual Orientation Profile</li> </ul>		
v3 (published 7/2022)	STU 6 (Planned June 2023)	Pending (Planned February 2024)		
<ul> <li>Functional Status</li> </ul>	<ul> <li>US Core Observation Screening Assessment Profile</li> </ul>	Pending		
<ul> <li>Disability Status</li> </ul>	<ul> <li>US Core Simple Observation Profile</li> <li>US Core QuestionnaireResponse Profile</li> </ul>	Pending		
<ul> <li>Mental Cognitive Status</li> </ul>	(tentative)	Pending		
<ul> <li>Occupation</li> <li>Occupation History</li> </ul>	<ul> <li>US Core Observation Occupation Profile</li> </ul>	Pending		
v4 (draft – for final publication 7/2023)	Pending (Planned June 2024)	Pending (Planned February 2025)		
<ul> <li>Substance Use</li> <li>Alcohol Use</li> <li>Physical Activity</li> <li>Treatment Intervention Preference</li> <li>Care Experience Preference</li> <li>Medication Adherence</li> </ul>	Pending Spring 2023 evaluation in HL7 Cross-Group Project Workgroup	Pending Spring/Summer 2023 evaluation in HL7 Clinical Quality Information Workgroup		

 Table 2: Data Transfer from USCDI to US Core and QI-Core

## Conclusion

The eCQMs and dQMs require new sources of data to be available in the real world to evaluate outcomes. ONC uses USCDI to identify the need for such data classes from the community, based on priority. US Core subsequently provides specifications for interoperability, QI-Core enables measure authoring, and SVAP determines readiness for government regulation. Ultimately, real-world data available to manage and evaluate care improves over time.

### References

- https://www.healthit.gov/sites/isa/files/inline-
- 4. HL7 US Core Road Map 2022. Available at: 31 January 2023.

### Table 2 shows how updates to USCDI lead to specific representation in US Core, followed by QI-Core. The table indicates changes that occur with each USCDI version.

1. Andriesen, B. (N.D.) "Interoperability Standards Advisory (ISA) & Standards Version Advancement Process (SVAP) Overview." [PowerPoint Presentation]. 2. Office of the National Coordinator for Health Information Technology. (2023). 2023 Interoperability Standards Advisory Reference Edition. Available at:

files/2023%20Reference%20Edition ISA 508.pdf. Accessed 8 February 2023. 3. Andriesen, B. (N.D.) "Interoperability Standards Advisory (ISA) & Standards Version Advancement Process (SVAP) Overview." [PowerPoint Presentation].

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