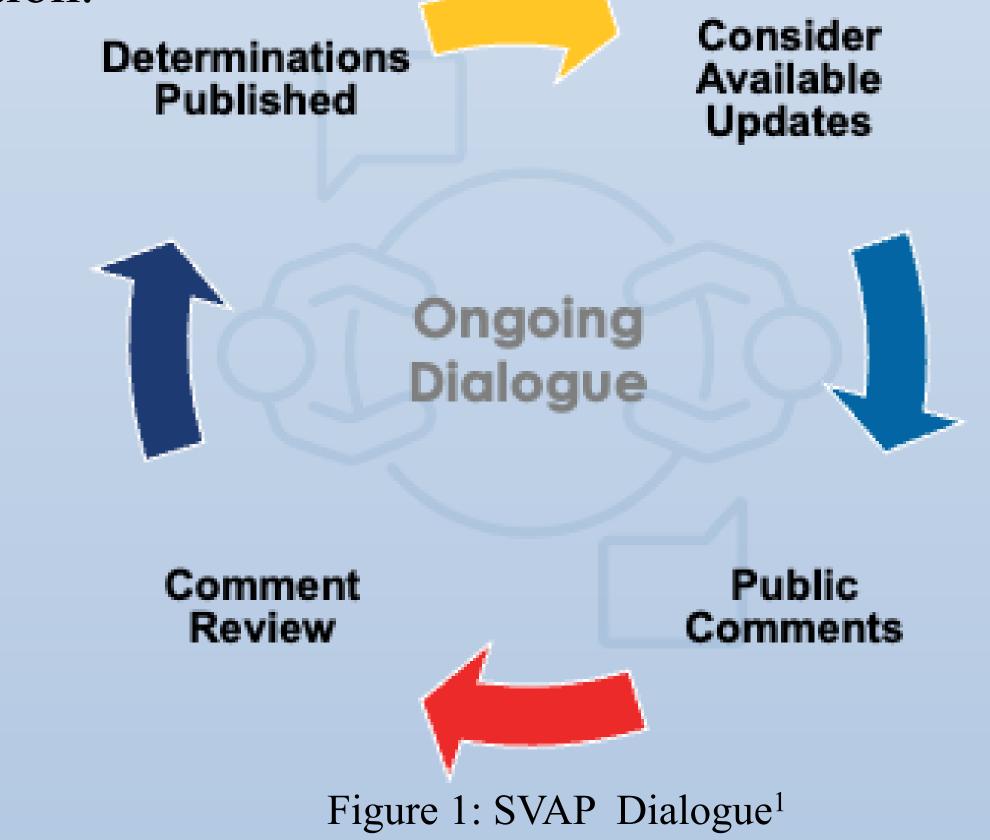


Overview

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		

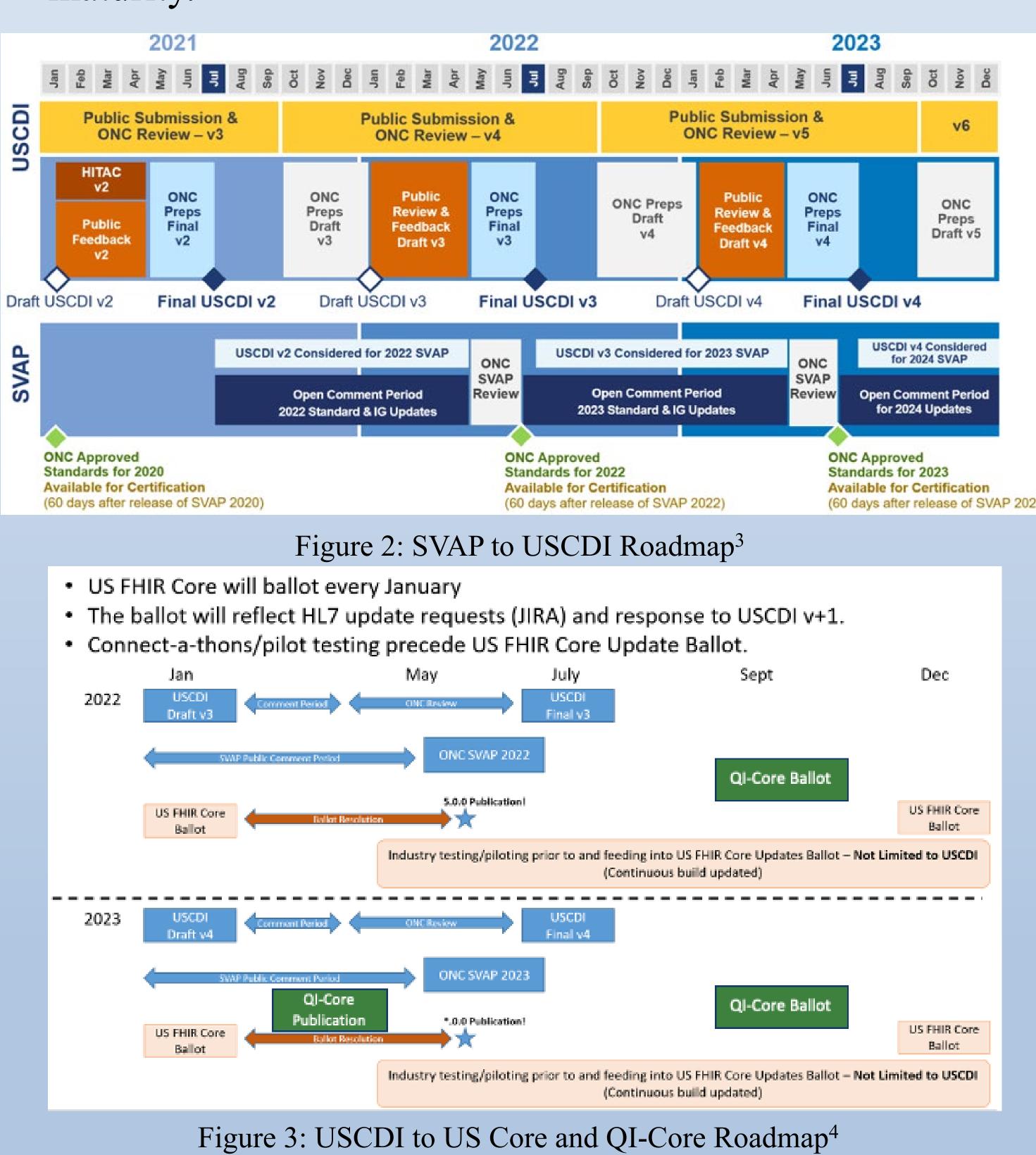
Table 1: Example of ISA for Functional Status/Disability Maturity²

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[®] (FHIR[®])
- Health Level 7[®] International (HL7[®])
- 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)		
 SDOH Assessment SDOH Goals SDOH Interventions 	 US Core Observation SDOH Assessment Profile US Core QuestionnaireResponse Profile 	 US Core Observation SDOH Assessment Profile QI-Core QuestionnaireResponse Profile 		
 Health Concerns 	 US Core Condition Problems and Health Concerns Profile 	 QI-Core Condition Problems and Health Concerns Profile 		
 Sexual Orientation Gender Identity 	 US Core Observation Sexual Orientation Profile 	 US Core Observation Sexual Orientation Profile 		
v3 (published 7/2022)	STU 6 (Planned June 2023)	Pending (Planned February 2024)		
 Functional Status 	 US Core Observation Screening Assessment Profile 	Pending		
 Disability Status 	 US Core Simple Observation Profile US Core QuestionnaireResponse Profile 	Pending		
 Mental Cognitive Status 	(tentative)	Pending		
 Occupation Occupation History 	 US Core Observation Occupation Profile 	Pending		
v4 (draft – for final publication 7/2023)	Pending (Planned June 2024)	Pending (Planned February 2025)		
 Substance Use Alcohol Use Physical Activity Treatment Intervention Preference Care Experience Preference Medication Adherence 	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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