Interoperability MATTERS

an initiative of The Sequoia Project

Data Usability Workgroup

August 7, 2025

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Agenda

- Welcome, Introductions, Membership, Agenda - Bill Gregg, MD– 5 minutes
- Data Usability Implementation Guide V2.0 – Bill Gregg, MD –– 10 min
- Data Usability Taking Root Community of Practice Update – Didi Davis – 15 minutes
- HL7 Implementation-A-Thon Overview (July 30-31, 2025) – 15 minutes
- Reminders – 5 minutes
- Workgroup Discussion & Q&A – Didi Davis, Co-chairs and Workgroup – 10 minutes

Adam Davis, MD, Co-chair
Sutter Health

Bill Gregg, MD, Co-chair
HCA Healthcare

Didi Davis, VP
The Sequoia Project

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Workgroup Members

392 Organizations | **490 Participants**

Healthcare Providers
20%

Health IT Developers
18%

Other
15%

HIN/HIEs
13%

Federal, State, Local Government
13%

Health Plan/Payer
10%

Consumer/Patient
5%

Standards Developer
4%

Public Health
2%

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Sequoia Members Shape Interoperability for the Public Good

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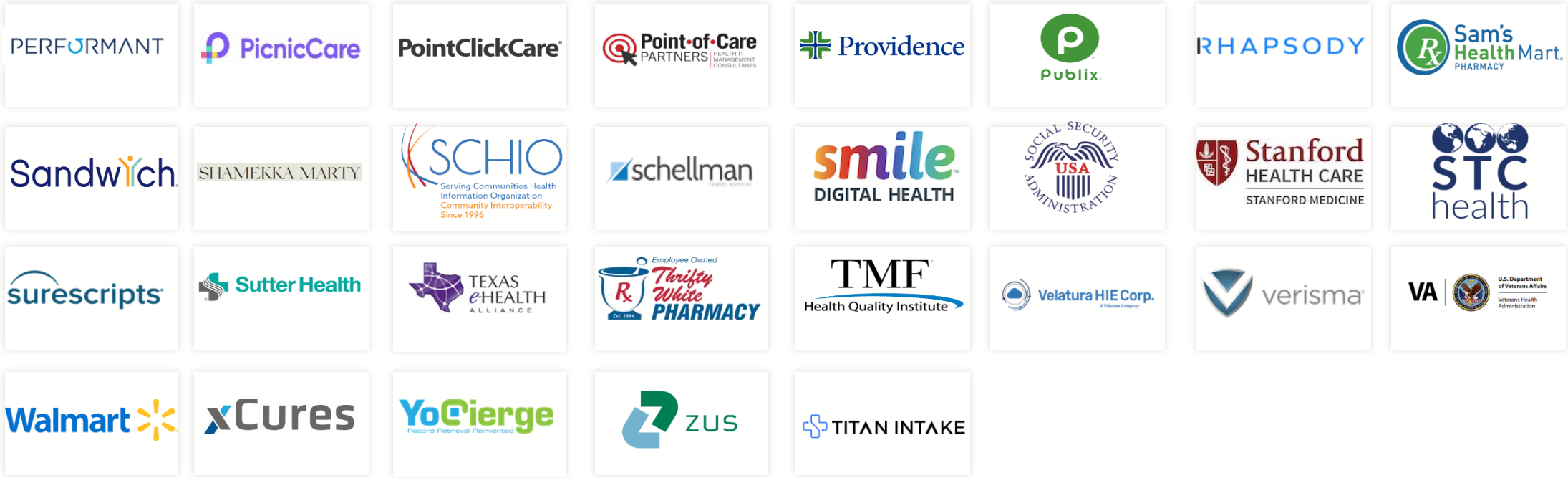

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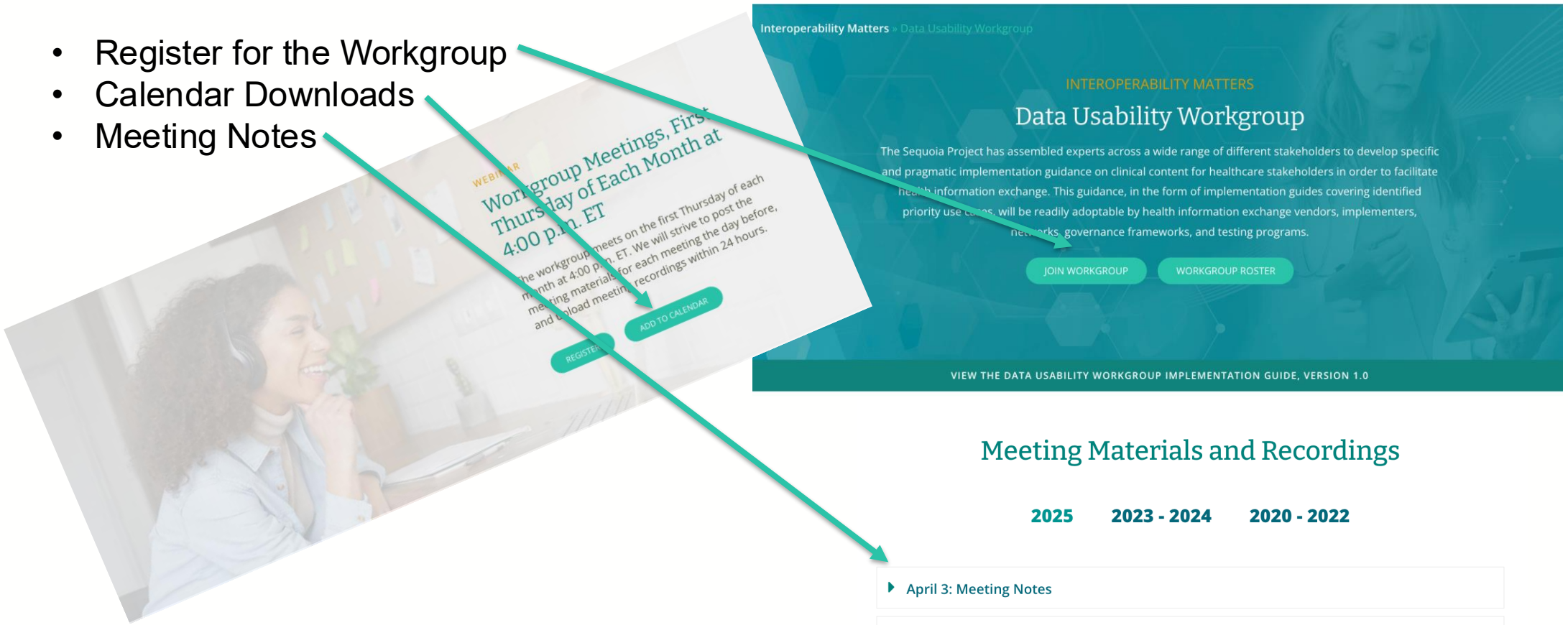
Website, Meeting and Workgroup Logistics

- Register for the Workgroup
- Calendar Downloads
- Meeting Notes



https://sequoiaproject.org/interoperability-matters/data-usability-workgroup/
Interopmatters@sequoiaproject.org

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Meeting Logistics and Timeline

- In 2025, the Data Usability Workgroup will begin a quarterly meeting cadence on the following dates:
  - ~~February 6~~
  - ~~April 3~~
  - August 7
  - October 2

- This will allow industry to familiarize themselves with the new V2.0 before we get too ahead of ourselves for the expected 18-month adoption expectations.

- Calendar invites are available here for download

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Data Usability Implementation Guide V2.0

Published December 11, 2025

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DUWG Implementation Guide Version 2.0 – Summary

Key changes in this final publication included:

- Added guidance for receiving systems in addition to sending systems
- Advancing the baseline requirements from USCDI V1 (Problem, Allergy, Medications, Immunizations ONLY) to all data classes within USCDI V3
  - ASTP/ONC has updated the USCDI standard in § 170.213 by adding USCDI Version 3 (v3) and establishing a January 1, 2026, expiration date for USCDI v1 (July 2020 Errata) for purposes of the Certification Program.
- Expanded guidance to be technology agnostic with added requirements for HL7® FHIR®, HL7 v2.x and HL7 C-CDA across the topic categories
- Added an additional topic category for laboratory

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USCDI Version 3 – Required in Base EHRs by 2026

Allergies and Intolerances
- Substance (Medication)
- Substance (Drug Class)
- Reaction

Assessment and Plan of Treatment
- Assessment and Plan of Treatment
- SDOH Assessment

Care Team Member(s)
- Care Team Member Name
- Care Team Member Identifier
- Care Team Member Role
- Care Team Member Location
- Care Team Member Telecom

Clinical Notes
- Consultation Note
- Discharge Summary Note
- History & Physical
- Procedure Note
- Progress Note

Clinical Tests
- Clinical Test
- Clinical Test Result/Report

Diagnostic Imaging
- Diagnostic Imaging Test
- Diagnostic Imaging Report

Encounter Information
- Encounter Type
- Encounter Diagnosis
- Encounter Time
- Encounter Location
- Encounter Disposition

Goals
- Patient Goals
- SDOH Goals

Health Insurance Information ★
- Coverage Status ★
- Coverage Type ★
- Relationship to Subscriber ★
- Member Identifier ★
- Subscriber Identifier ★
- Group Number ★
- Payer Identifier ★

Health Status/ Assessments
- Health Concerns ➔
- Functional Status ★
- Disability Status ★
- Mental / Cognitive Status ★
- Pregnancy Status ★
- Smoking Status ➔

Immunizations
- Immunizations

Laboratory
- Test
- Values/Results
- Specimen Type ★
- Result Status ★

Medications
- Medications
- Dose ★
- Dose Unit of Measure ★
- Indication ★
- Fill Status ★

Patient Demographics/ Information
- First Name
- Last Name
- Middle Name (Including middle initial)
- Suffix
- Previous Name
- Date of Birth
- Date of Death ★
- Race
- Ethnicity
- Tribal Affiliation ★
- Sex
- Sexual Orientation
- Gender Identity
- Preferred Language
- Current Address
- Previous Address
- Phone Number
- Phone Number Type
- Email Address
- Related Person's Name ★
- Related Person's Relationship ★
- Occupation ★
- Occupation Industry ★

Problems
- Problems
- SDOH Problems/Health Concerns
- Date of Diagnosis
- Date of Resolution

Procedures
- Procedures
- SDOH Interventions
- Reason for Referral ★

Provenance
- Author Organization
- Author Time Stamp

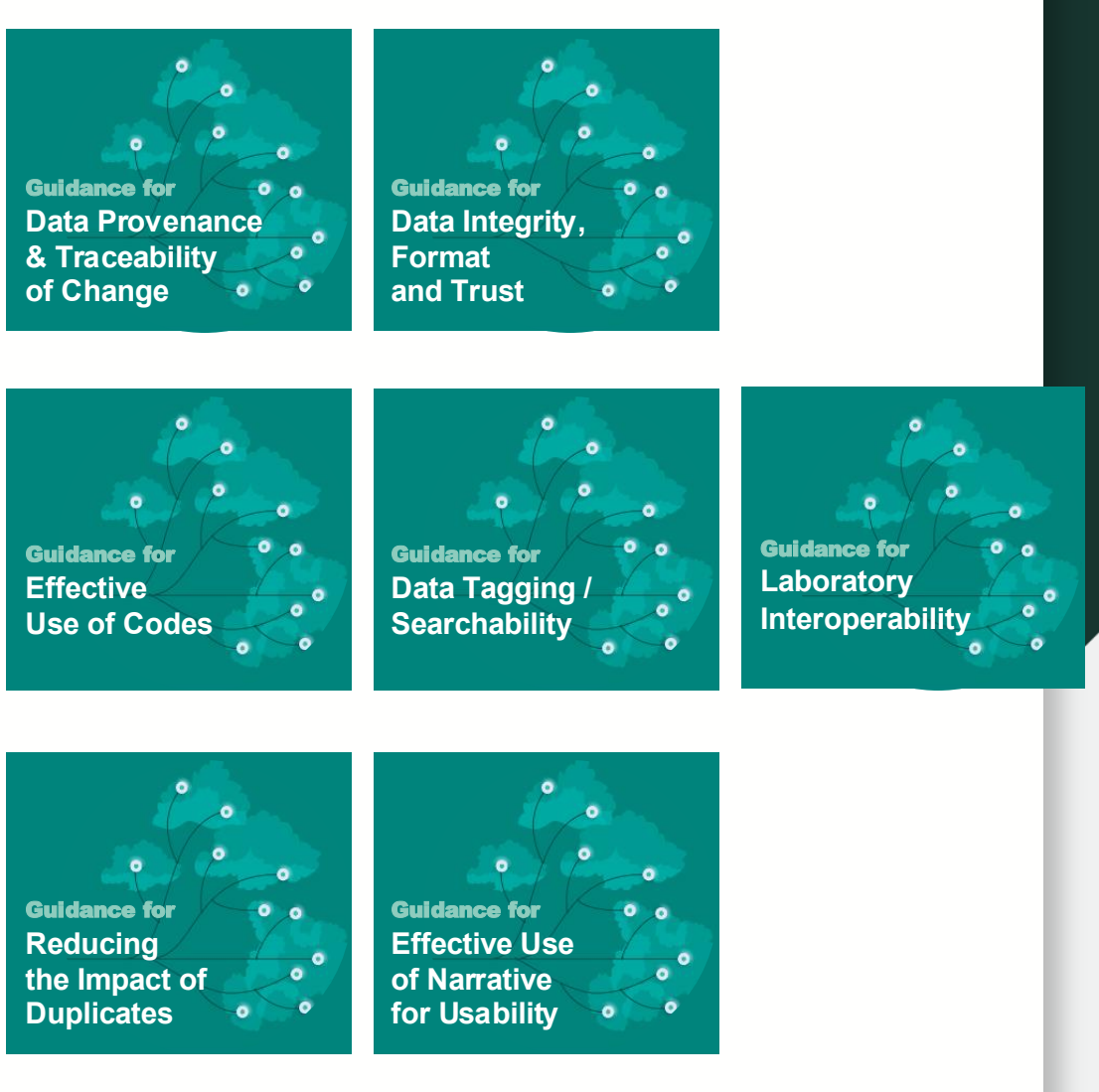
Unique Device Identifier(s) for a Patient's Implantable Device(s)
- Unique Device Identifier(s) for a patient's implantable device(s)

Vital Signs
- Systolic blood pressure
- Diastolic blood pressure
- Heart Rate
- Respiratory rate
- Body temperature
- Body height
- Body weight
- Pulse oximetry
- Inhaled oxygen concentration
- BMI Percentile (2 - 20 years)
- Weight-for-length Percentile (Birth - 24 Months)
- Head Occipital-frontal Circumference Percentile (Birth - 36 Months)

★ New Data Classes and Elements ➔ Data Element Reclassified

Table of Contents

- Executive Summary & Phases Timeline
  - Phase 1 - Administration & Prioritization
  - Phase 2 - IG Development
  - Phase 3 - IG Public Comment
  - Phase 4 - IG Publication
- Statement of Intent
- Sections/Chapters
  - Seven Topic Categories
  - Guidance with SHALL, SHOULD, MAY
- References
- Appendix A – High Priority Lab Results
- Appendix B – A Priority list of documents for information sharing



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Community of Practice **Update**

Last meeting July 23, 2025

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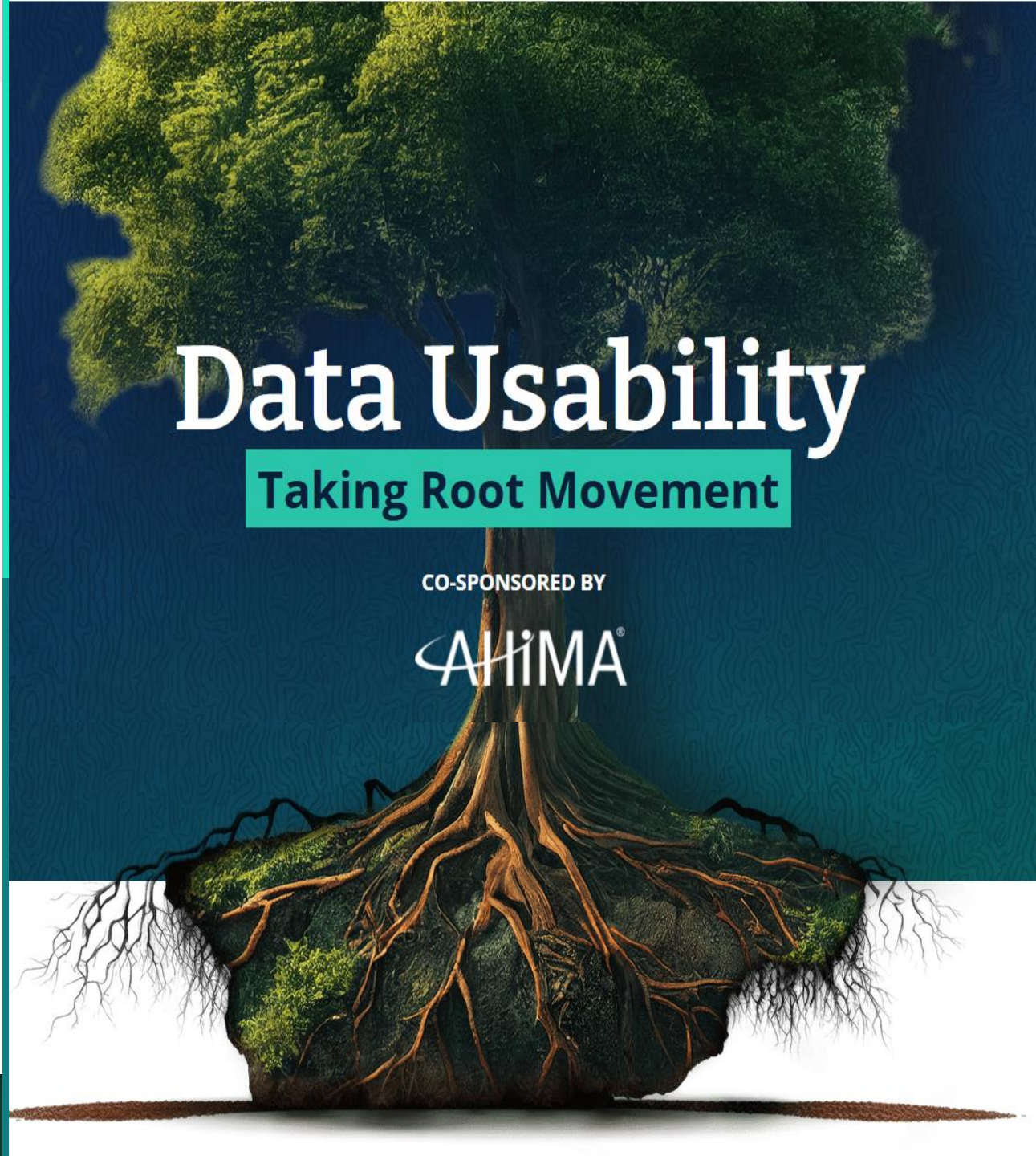

What is the difference between the Data Usability Taking Root Movement and the Data Usability Workgroup?

Deployment **Guidance**

Data Usability **Workgroup**

Develops Guidance

Taking Root **Movement**

Implements Guidance

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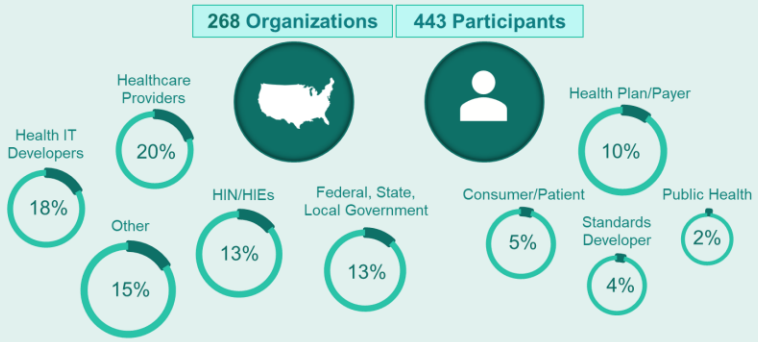
Development **Feedback**



Community of Practice

- Roundtables
- Technical Assistance
- Testing Platform
- In-person Convenings

Participation Levels

IMPLEMENTER | SUPPORTER | SPONSOR

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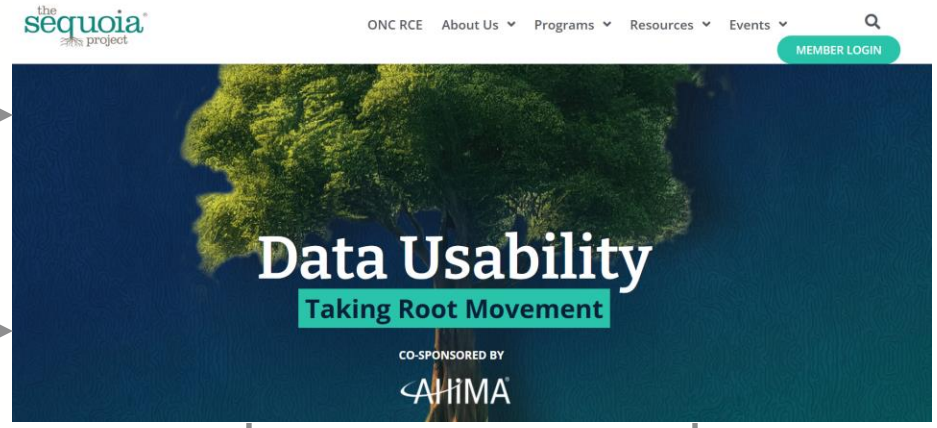
Pledge Process – Open NOW!

Implementer

Supporter



Sign Implementer Pledge

Sign Supporter Pledge

Email confirmation and copy of pledge

Those who have pledged will have password-protected access to Data Usability Taking Root Resources on the Sequoia website

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Taking Root Meetings

- Jan 22 2pm ET: Office Hour
- Feb 26 2pm ET: Community of Practice Roundtable
- Mar 26 2pm ET: Community of Practice Roundtable
- Apr 23 2pm ET: Community of Practice Roundtable
- May 28 2pm ET: Community of Practice Roundtable
- Jun 25 2pm ET: Community of Practice Roundtable
- Jul 23 2pm ET: Community of Practice Roundtable
- ~~Aug 27 2pm ET: Community of Practice Roundtable~~
- ~~Sep 24 2pm ET: Community of Practice Roundtable~~
- ★ Oct 12 AHIMA25 Conference
- Oct 22 2pm ET: Community of Practice Roundtable
- ★ Nov 19 Sequoia Project Annual Meeting

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Organizations that have pledged to participate!

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Data Usability Virtual Workshop

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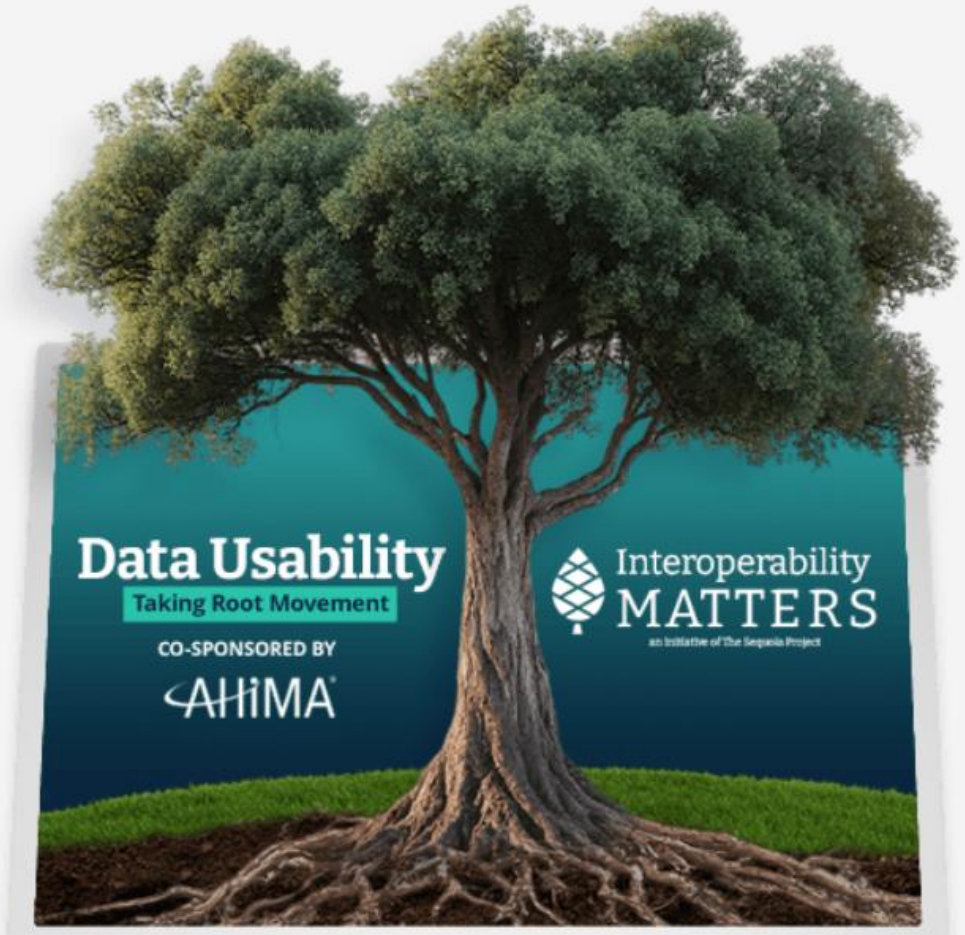

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VIRTUAL WORKSHOP

Driving Better Outcomes by Improving Usability of Clinical Data

SEPT 23, 2025

10AM – 5PM ET

REGISTER NOW

$99/FREE*

*FREE for Sequoia Project, AHIMA, and Data Usability Taking Root Members

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Workshop Registration and Pricing

- https://sequoiaproject.org/data-usability-taking-root-virtual-workshop/

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Workshop Aim: to advance implementation of data usability guidance for a more meaningful exchange of clinical data on a national scale. Better data usability benefits providers, operational & health information management staff, health information exchanges & networks, health IT platforms, public health, and patients.

Workshop Approach: combines technical education with real-world stories from the frontlines, addresses critical interoperability barriers with healthcare laboratory data, promotes real-world operationalization of technical guidance, and encourages participation in a community of practice that can help participants on their data usability journey.

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Virtual Workshop Agenda

Sessions:

1. **Data Usability What, Why, & How:** The goal of the 1st session is to explain what data usability is, why it's important and how Data Usability Implementation Guide (DUIG) V1.0 and 2.0 can advance usability.

2. **Data Usability Under the Microscope: Labs:** The goal of the 2nd session is to explain laboratory data usability, why it's an especially vital use case, and how the newly released DUIG V2.0 can advance meaningful interoperability.

3. **Taking Root: Community of Practice:** The goal of the 3rd session is to provide self-assessment tools to implement DUIG V2.0 and information on the opportunity to participate in a community of practice to advance adoption and implementation of guidance.

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Target Audience

- The workshop will be promoted on a national scale to health data interoperability stakeholders including health systems (e.g., hospitals, clinicians), health plans, health information technology vendors, public health agencies, health researchers, federal health agencies, health industry member associations and other collaborating partners (e.g., AHIMA, AHIP, AMA, APHL, HIMSS, SHIELD) and standards and policy bodies (e.g., HL7, LOINC, WEDI, ASTP/ONC).

- Based on the number of organizations that have participated in the development of DUIGs, we anticipate an audience of 200-400.

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Discussion
Case Study

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Brainstorming – A Taking Root Case Study

- Impact via policy influence
  - CMS – extra points to hospitals for implementing DUIGs
  - Joint Commission - duplicates
- Expand / Accelerate the Movement
  - Business / Stakeholder Buy-in - Develop an ROI
    - **Better Patient Outcomes**
    - **Improved Data Accuracy**
    - **Enhanced Clinical Decision Making**
    - **Reduced Clinician Burden**
  - Gain attention from new market entrants
  - Identify conferences, webinar, workshop opportunities to spread the word
  - Post presentations to community website/library for others to use
  - State HIMSS
  - Create Editorial Calendar, focused on 1 bite-sized DU topic each month
- Messaging
  - This is doable! Boots/Roots on the Ground!
  - Data Usability Hero / Champion
  - "Data Usability in All Projects"
  - DUIG is a "roadmap enhancer"

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A Taking Root Case Study - Questions

1. Name, Org, Role
2. Tell us how data usability enables trust in data exchange
3. Describe a particular problem, pain point, or opportunity your organization has around data quality / usability
4. How do you think the DUIG V1 will help your organization solve this problem? (This question should lead to their mentioning the Topic Categories they are focused on, e.g. Provenance, Reducing Impact of Duplicates, etc. from the DUIG V1.0)
5. How did you get your leadership to understand the problem and support your implementing the IG?
6. What are your future plans to champion or educate your stakeholders about the benefits of data usability?

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CALL to ACTION:

- Consider Pledging to be a Supporter or Implementer of the Data Usability Taking Root Initiative
- Share/Socialize this information internally to our organization or with your partners/peers

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Contact Us

Thank you for your interest in The Sequoia Project's new **Data Usability Taking Root** Initiative.

If you would like to get in touch you can reach us at:

takingroot@sequoiaproject.org

To join the Community of Practice Roundtables, please sign up as a Supporter, Implementer or Sponsor here:
https://sequoiaproject.org/data-usability-taking-root-movement/

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Laboratory Topic Highlights Presented to HL7 Implementation-A-Thon July 30-31, 2025

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Sponsored by

C-CDA Implementation-A-Thon

July 30, 2025

LOINC codes for lab data in C-CDA documents

Didi Davis, VP, Informatics, Conformance & Interoperability – The Sequoia Project

HL7 CDA®

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Agenda

- LOINC History
- Challenges of Mapping Local codes to LOINC
- The Sequoia Project: Interoperability Matters
  - Data Usability Workgroup
- Laboratory Interoperability
- Data Usability Implementation Guide – Appendix A
  - High Priority Laboratory Results – MAINTAIN
- Effective Strategies to Streamline LOINC Mapping Process
  - Example LOINC Mapping Tool References

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LOINC codes for lab data in C-CDA documents

10:30am - 11:15am	C-CDA ↔ FHIR US Core •Landscape overview •C-CDA on FHIR IG	Lisa Nelson Benjamin Flessner	Invocation 20250730.pdf	De-profiled demo version C-CDA ↔ FHIR US Core - July 2025 IAT Recording
2:00pm - 3:00pm	C-CDA ↔ FHIR •C-CDA to FHIR Conversion Tool demo and hands on time for example documents to be converted	Ken Lord, Sean Muir	IAT Powerpoint - Ken Lord Session.pdf	C-CDA ↔ FHIR - July 2025 IAT Recording
3:30pm - 4:00pm	LOINC codes for lab data in C-CDA documents	Didi Davis	Lab-LOINC-IAT-07-30-Didi-Davis.pdf	LOINC codes for lab data in C-CDA documents - July 2025 IAT Recording

- https://confluence.hl7.org/spaces/IAT/pages/302252191/2025.07+Virtual+IAT+Jul+30+31+Agenda

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It’s time for data usability guidance to **take root!**

Discussion/Questions

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Reminders

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Save the Date – AHIMA 2025 Conference

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Sponsorships Available | Room Block Now Open

https://sequoiaproject.org/2025-annual-meeting/

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https://sequoiaproject.org/about-us/become-a-member/

Data Usability Work Group

For more information:

www.sequoiaproject.org/interoperability-matters/data-usability-workgroup/

(571) 327-3640

Interopmatters@sequoiaproject.org

Convene

Collaborate

Interoperate

Thank You for your support of Interoperability Matters!

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