



Interoperability MATTERS

an initiative of The Sequoia Project

Data Usability Workgroup

October 5, 2023

Agenda

- Welcome, Introductions, Membership, Agenda - Adam Davis, MD – 5 minutes
- Overview of Future Efforts for Version 2.0 of the Implementation Guide – Bill Gregg, MD & Adam Davis, MD – 10 min
- August 2023 HL7 Implementation-a-thon Update – 10 minutes – Didi Davis
- Data Usability Taking Root Summit -& Community of Practice Update– Didi Davis – 10 minutes
- Effective Use of Codes Proposed work items – 20 minutes
- Save the Dates: AHIMA Workshop and Sequoia Annual Member Meeting
- Workgroup Discussion & Q&A – Didi Davis, Co-chairs and Workgroup



Adam Davis, MD, Co-chair
Sutter Health



Bill Gregg, MD, Co-chair
HCA Healthcare



Didi Davis, VP
The Sequoia Project

Workgroup Members

391 Organizations

486 Participants



Healthcare Providers



Public Health



Consumer/Patient



Standards Developer



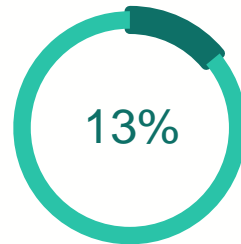
Health Plan/Payer



Federal, State, Local Government



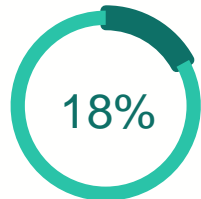
HIN/HIEs



Other



Health IT Developers



Sequoia Member's Shape Interoperability for the Public Good



DATAVANT



eClinicalWorks

eHealth Exchange

HONORHEALTH

Epic



East Tennessee Health Information Network

EVERNORTH



GRAPHITEHEALTH



HCA Healthcare



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 HealthCatalyst

 HEALTH
GORILLA

 HealthInfoNet

 HIGHMARK
HEALTH

 HIMSS

 HITRUST

 smile
DIGITAL HEALTH

 Humana

 imprado
improvise adapt overcome

 Indiana Health
Information Exchange

 Intermountain
Healthcare

 JCMR
JACKSON COMMUNITY MEDICAL RECORD

 KAISER PERMANENTE

 Kno2

 KONZA

 Lehigh Valley
Health Network

 KlearTrust

 CALIFORNIA EMERGENCY MEDICAL
SERVICES AUTHORITY

 marble

 atlas
HEALTH HUB

 MedAllies

 Solarity

 MEDVIRGINIA

 bluip

 MiHIN
MICHIGAN HEALTH INFORMATION NETWORK
SHARED SERVICES

 ModMed
MODERNIZING MEDICINE

 MRO
Disclosure Management & IIC Solutions

 NCHealthConnex
Powering Health Care Outcomes

 Netsmart

 New Jersey
Innovation Institute
An NJIT Corporation

 NYeC
NEW YORK HEALTH
COLLABORATIVE

 nextgen
healthcare

 NORTH
Dakota | Health Information Network
Be legendarySM INFORMATION TECHNOLOGY

 onerecord

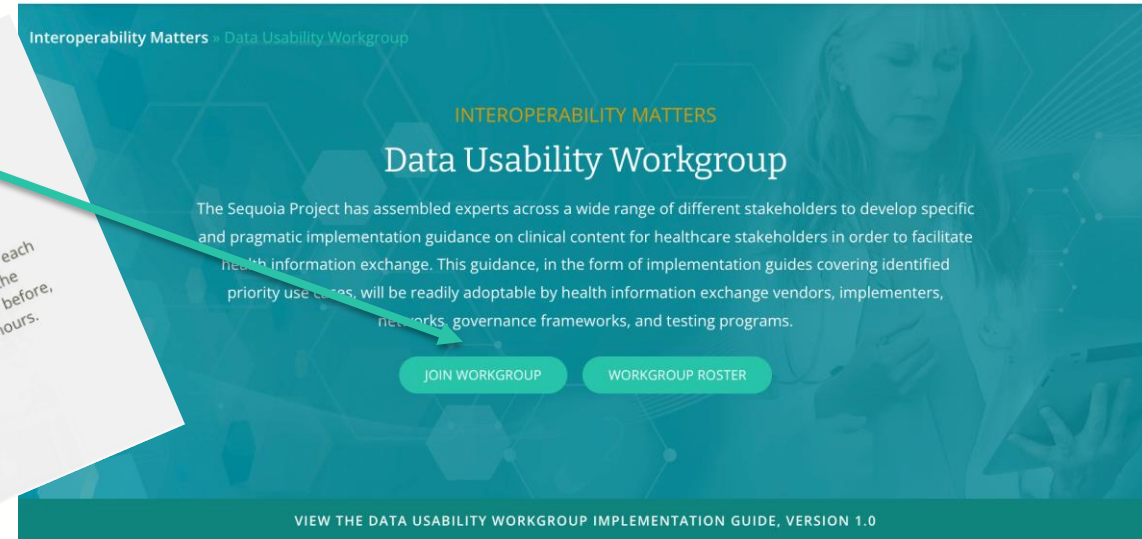
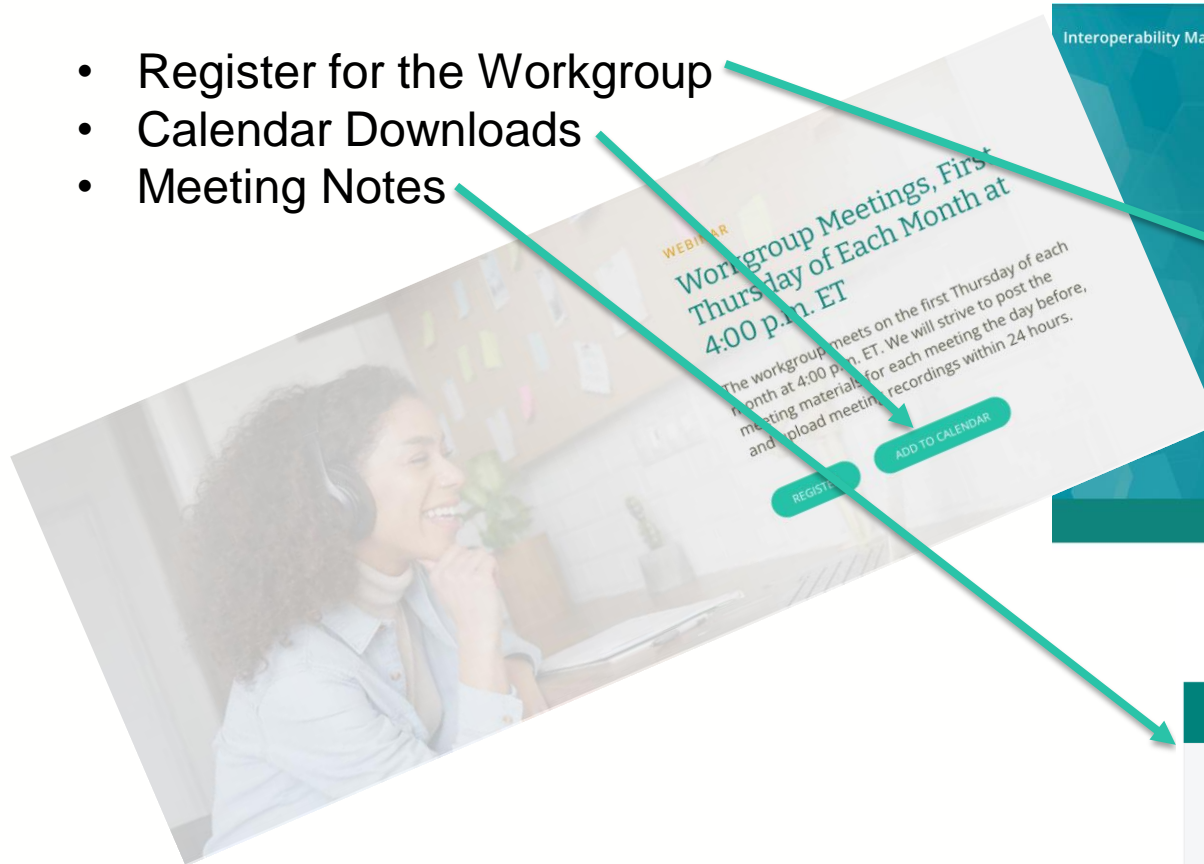
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Sequoia Member's Shape Interoperability for the Public Good




Website, Meeting and Workgroup Logistics

- Register for the Workgroup
- Calendar Downloads
- Meeting Notes



Meeting Materials and Recordings

2023 Phase 1	2022 (Phase 3)	2021 - 2022 (Phase 2)	2020 - 2021 (Phase 1)
<ul style="list-style-type: none"> ▶ April 6: Meeting Notes ▶ March 2: Meeting Notes ▶ February 2: Meeting Notes 			

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

Overview of Future Efforts for Version 2.0 of the Implementation Guide

2023-2024 Sequoia DUWG - Proposed Work Items

- Google Spreadsheet used for tracking
 - Anyone with the link can comment within the document
 - Contains Phase 2 IG Development – Parking lot of existing pain points
- Add FHIR guidance in addition to C-CDA – technology agnostic
- Laboratory Data Exchange
- Receiving System Guidance
- Alignment with USCDI v3

Laboratory Tiger Team Launch – October 12, 2023

- Open call for Participation to workgroup members who are Laboratory subject matter experts and consumers of lab data
 - Ordering Physicians
 - Pathologist
 - Standards Development Organizations (i.e. HL7, SHIELD, LOINC, etc.)
 - Laboratory Information Systems
 - Reference Laboratory Stakeholders
 - Hospital and Health System Users
- Expectation is that Tiger Team will meet monthly – 10/12/23
- Purpose of the Tiger Team – work on Lab focused pain points to advance sending and receiving system guidance to improve usability for all stakeholders

Meeting Logistics and Timeline

- 2023 – 2024 Planned Schedule
 - Kickoff Call: February 2, 2023
 - Ongoing calls: 1ST Thursday each month
- Next Phase of Activities - Process & Timeframe
 - Phase 1 - Administration and Prioritization
 - February 2023 – June 2023
 - Phase 2: Developing Initial Draft Guidance
 - July 2023 – July 2024
 - Phase 3: Public Comment Period/Recommended Next Steps
 - July 2024 – August 2024
 - Phase 4: Finalizing Implementation Guide and Call to Action
 - August 2024 – December 2024

August 2023 HL7 Implementation-a-thon Update

HL7 Virtual Implementation-A-Thon (IAT) – August 2023

- Objective: Improve consistency and quality of information representation in C-CDA exchange documents.
- C-CDA to FHIR mapping
- Problem: Inconsistent C-CDA content is impacting transitions of care in the Texas community – CDA Management Group Responded:
 - Implementer-Driven Improvements for C-CDA Discharge Summary Documents
 - 4 new JIRA tickets to request changes for C-CDA Discharge Summary
 - New Stylesheet developed to enable CDA Receivers to apply their preferred rendering order for top-level sections
 - Explored use of subsections to organize content in the Procedures and Results Section, Assessment and Plan of Treatment Section

JIRA Ticket Summary

Next version of C-CDA will ballot in January 2024, publish in late-spring, early summer 2024 - Logged issues against C-CDA Discharge Summary:

- Change Hospital Consultations to (required) CDA-20687
- Change Procedure Section (entries optional) to Procedures Sections (entries required) CDA-20698
- Add a Results Section (entries required) CDA-20698
- Add more guidance on how to organize the result section CDA-20699

New CDA Stylesheet

- Adds a parameter that can be set to control the rendering order for contained sections
 - Only controls the order of top-level sections.
 - Ordering parameter uses the LOINC codes in the section.code element to specify the preferred section rendering order.
 - Additional sections in the document not ordered by the parameter appear at the end in the same order as supplied in the document.
 - Sections in the ordering parameter that are not present in the document are simply not rendered.
 - New HL7 CDA Stylesheet beta-version released September 2023: <https://hl7.org/permalink/?CDAStyleSheet> and additional information is available in the release notes in github: <https://github.com/HL7/CDA-core-xsl/releases>.

Community of Practice Summit Overview

September 6, 2023



Data Usability

Taking Root Movement

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Data Usability Taking Root Initiative Update

It's time for this guidance to **take root**.

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



Context

- Members of the Data Usability Taking Root Community of Practice met for an in-person summit on 09/06/23.
- Of the 29 non-staff attendees, 16 were Supporters, 7 were sponsors, and 6 were implementers.
- Attendees worked interactively at roundtables to discuss and report-out on a series of questions to help chart a path forward to build and support the Taking Root Community of Practice



Data Usability Taking Root Summit

September 5th

6:00pm-7:30pm Smile Digital Health Evening Networking Reception



September 6th

Morning:

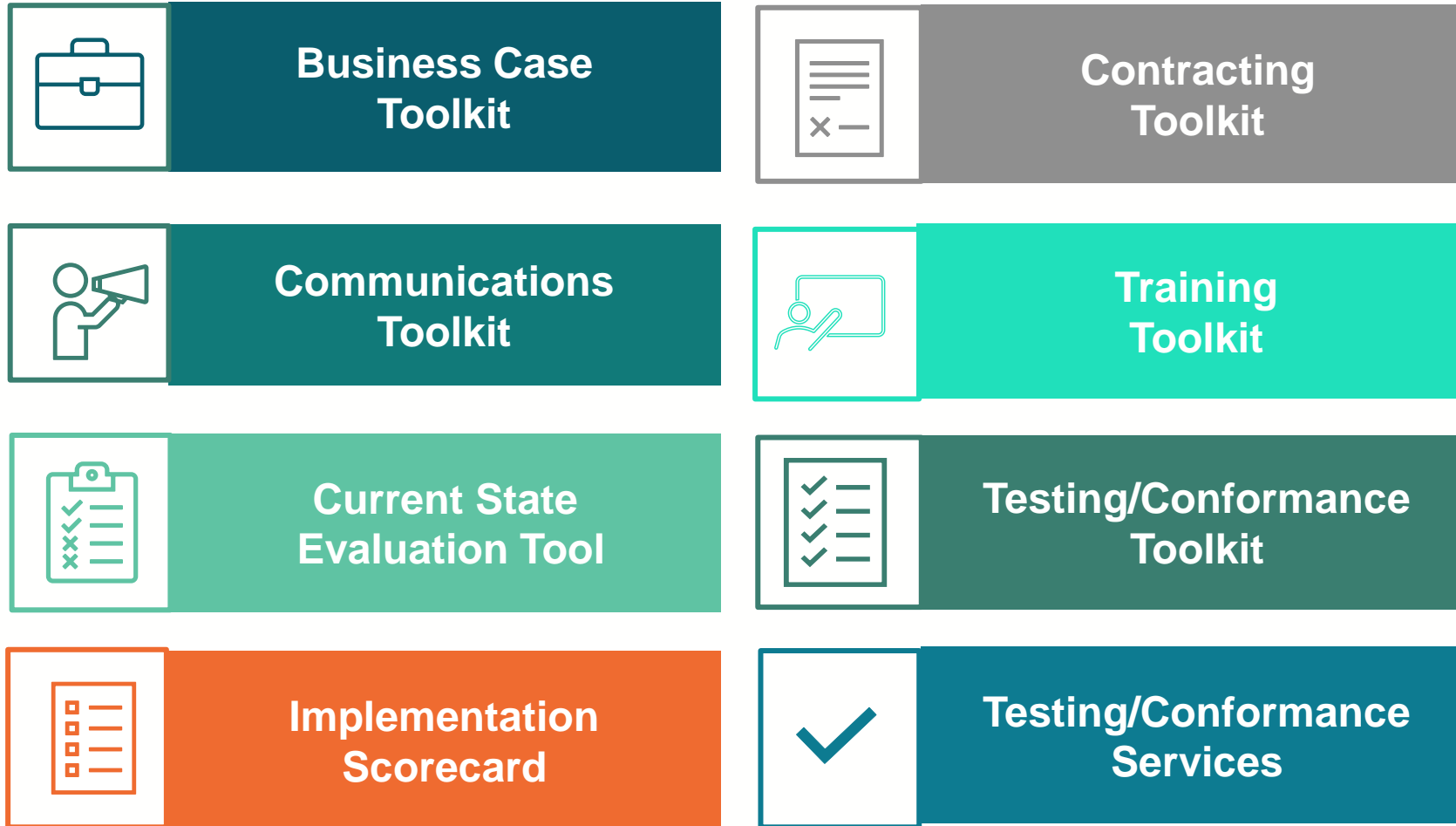
- 8:00-9:00 Sponsored Continental Breakfast
- 9:00-9:15 Welcome
- 9:15-9:30 Ice Breaker
- 9:30-10:30 Presentation
- 10:30 Sponsored Break
- 10:45-12:00 Presentation
- 12:00-1:00 Sponsored Lunch



Afternoon:

- 1:00-1:10 Intro & Instructions
- 1:10-1:50 All – Roundtable Discussions & Report-Outs
- 1:50-2:15 All – Roundtable Discussions
- 2:15-2:45 Supporter Table Report-Outs
- 2:45-3:00 Sponsored Break
- 3:00-3:30 Implementer Table Report-Outs
- 3:30-3:45 Group Exercise – Identify Topics for Roundtables
- 3:45-4:00 Wrap Up
- 4:00 Adjourn

Roundtable Exercise – Assessing Technical Assistance Needs



Data Usability Taking Root

Supporter

Pledges to support the data usability movement as a member of the data usability community of practice. Grants right to Sequoia to include logo in its Taking Root member directory. Participates in Data Usability Roundtables. Supporters that are also Sequoia members are invited to Taking Root Summits.

Implementer

Pledges to implement V1.0 data usability guidance across one or more topics within a defined timeline. Invited to participate in the data usability community of practice, the Data Usability Taking Root Planning Committee, and the Taking Root Summits. Grants right to Sequoia to include logo in its Taking Root member directory.

Sponsor

Pledges to provide sponsorship of the Taking Root Summit(s). Socializes and evangelizes the purpose and power of this work. Co-hosts Taking Root Summits and participates in The Data Usability Taking Root Planning Committee, Roundtables, and Summits.



Levels of Engagement

Taking Root Meetings



- July 13, 3pm ET: Planning Committee Meeting #1
- July 31 12pm ET: Community of Practice Roundtable #1
Level-setting & polling to inform Summit Planning
- Aug 10 4pm ET: Planning Committee Meeting #2
- Aug 24 3pm ET: Community of Practice Roundtable #2
Summit Plans
- **Sep 06 9-4pm ET: Taking Root Summit, Washington, DC (in-person)**
- 📍 Oct 25 2pm ET: Monthly Community of Practice Roundtable
- Nov 29 2pm ET: Monthly Community of Practice Roundtable



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/>

Effective Use of Codes

Effective Use of Codes

Future Efforts

- Prioritized list of laboratory results to be shared
 - **Expand guidance for Laboratory Test Lifecycle:** [JDCWG C-CDA Whitepaper section 2.5.1](#)
 - **Interoperable Laboratory Results:** [JDCWG C-CDA Whitepaper section 2.5.2](#)
 - Consider transmission of **results from a Laboratory to a Public Health Agency**
 - **Investigate the differences among vendors for consumption and display of translational fields**
 - [Guidance for the translation of lab result codes and nomenclature](#)
- [Guidance for codes in discrete data elements](#)
- Guidance will **go beyond content exchanged for HL7 C-CDA to include HL7 v2.x and HL7 FHIR**
- Create guidance for various use cases: **Descriptions/codes for document/data types to filter** (i.e., Radiology Reports from Lab Data to allow indexing or filtering by date)
- **Investigate consumption and display of translation fields across vendors**
- Consider guidance on **chart correction workflows** and how to propagate data edited during chart corrections downstream

Effective Use of Codes – FHIR specific proposal from VHIE

Scenario

- Code and the specificity/granularity must be standardized within the exchange process. The source and the receiver may maintain data at different specificity levels and need to eliminate the confusion. An example is laterality within the code yet across health care organizations, there are diverse configuration strategies.

SAVE THE DATES:
AHIMA Taking Root Workshop
Sequoia Annual Member Meeting

AHIMA[®]23
CONFERENCE

OCTOBER
8-10, 2023 | **Baltimore Convention Center**
BALTIMORE, MD

Virtual | **OCTOBER 26-27, 2023**

WHERE HEALTH INFORMATION
COMES TO LIFE

REMINDER:

- AHIMA will be hosting a Data Usability Taking Root Workshop
 - Sunday, October 8, 2023 – 1pm - 4pm EST
 - Baltimore Convention Center
 - If interested in attending, please register and share on social media with others to help support the event
 - <https://ahima23.eventscribe.net/index.asp>

SAVE THE DATE

Annual Meeting • NOV 15 - 17

2023

SAN DIEGO

California

the
sequoia[®]
project

carequality

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!**