



Interoperability MATTERS

an initiative of The Sequoia Project

Data Usability Workgroup

November 2, 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
- October 12, 2023 Lab Tiger Team Launch and Summary Update – 5 minutes – Bill Gregg
- Data Usability Taking Root Summit & Community of Practice Update– Didi Davis – 10 minutes
- Reducing the Impact of Duplicates Proposed work items – 20 minutes
- Save the Dates: 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



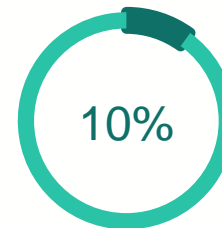
Consumer/Patient



Standards Developer



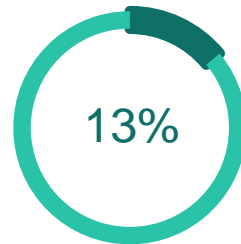
Health Plan/Payer



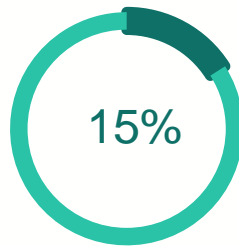
Federal, State, Local Government



HIN/HIEs



Other



Health IT Developers



Sequoia Member's Shape Interoperability for the Public Good



Sequoia Member's Shape Interoperability for the Public Good

 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

 patientory
association

 MedAllies

 Solarity

 MEDVIRGINIA

 bluip

 MiHIN
MICHIGAN HEALTH INFORMATION NETWORK
SHARED SERVICES

 VA | U.S. Department
of Veterans Affairs
Veterans Health
Administration

 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 legendary INFORMATION TECHNOLOGY

 onerecord

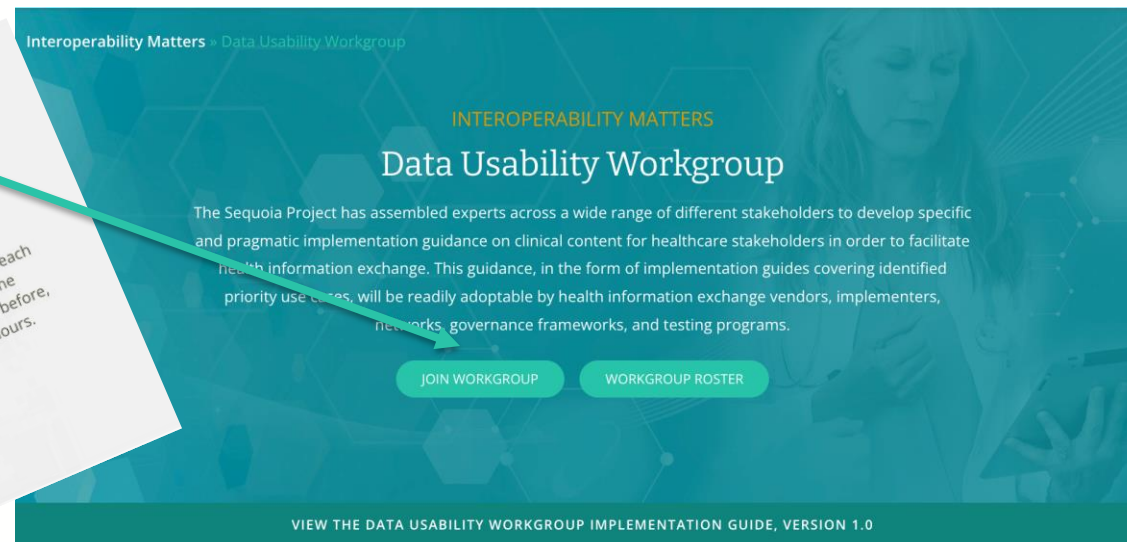
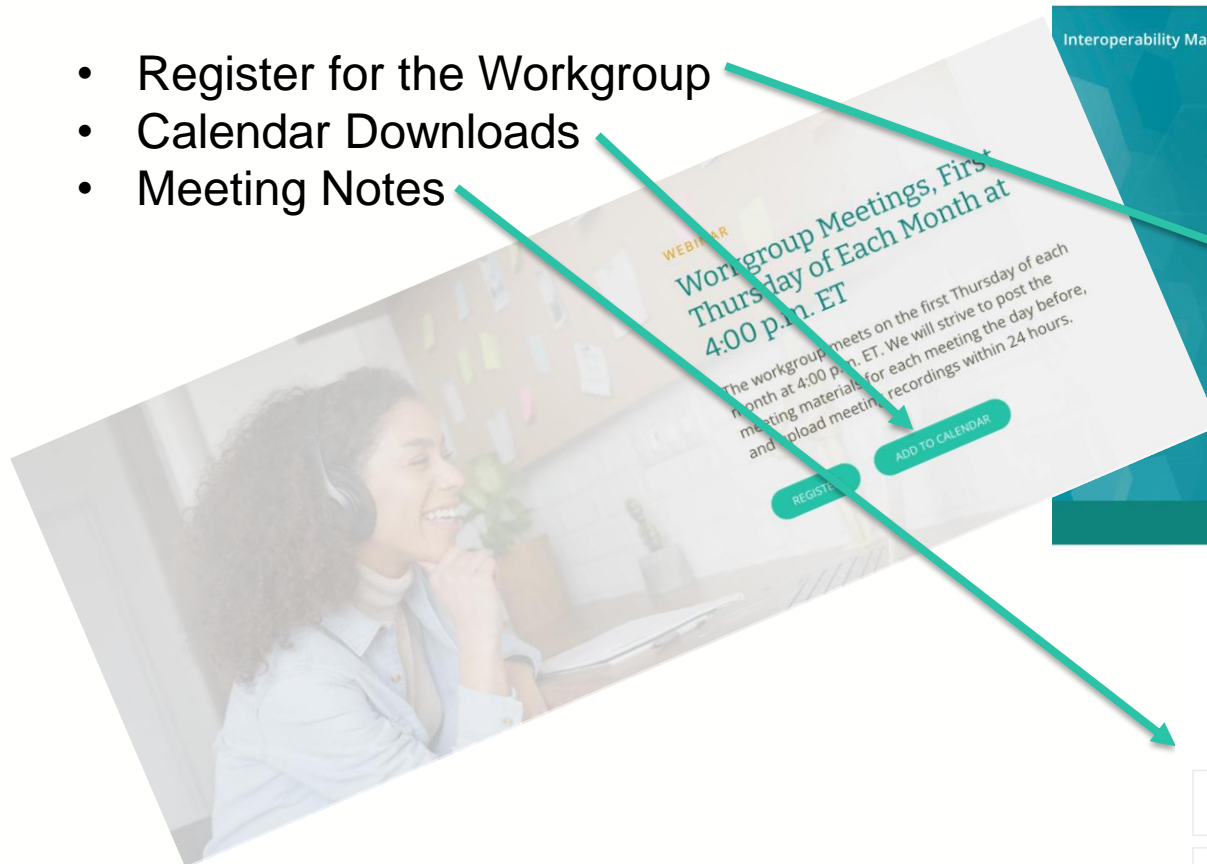
 OCHIN

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 **2020 - 2022**

▶ October 12: Lab Tiger Team Meeting

▶ October 5: Meeting Notes

▶ August 3: Meeting Notes

▶ July 6: 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 Launched – 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 – Next meeting 11/9/23
- Purpose of the Tiger Team – work on Lab focused pain points to advance sending and receiving system guidance to improve usability for all stakeholders

Tiger Team Roster

38 members

32 organizations

Who is missing?

First Name	Last Name	Company	Job Title
Maria	Moen	ADVault, Inc.	SVP, Innovation & External Affairs
Mary-Sara	Jones	Amazon	HHS, Interoperability & SDOH
Jenna	Rychert	ARUP Laboratories	Medical Director
Riki	Merrick	Association of Public Health Laboratories	
Reddy C	Haraneesh	AthenaHealth, Inc.	
Muktha	Natrajan	CDC	
Hung	Luu	Children's Health System of Texas	
Stephanie	Broderick	Clinical Architecture	EVP, Strategic Initiatives
Carol	Ross	Clinisys, Inc.	Director of Product
Robert	Rae	College of American Pathologists	
Scott	Stuewe	DirectTrust	President and CEO
Jay	Nakashima	eHealth exchange	Executive Director
Benjamin	Ollila	Epic	
Supantha	Samanta	Epic systems corporation	
Robert	Oakley	Evernorth - Office of Interoperability	Strategy Lead Interoperability
Nathan	Davis	Graphite Health	
Stanley	Huff	Graphite Health	Chief Medical Informatics Officer
Hilary	Greer	HCA	Manager
Steven	Lane	Health Gorilla Inc.	Chief Medical Officer
Hazel	Chappell	Ishca health	Chief Digital Advisor - Change
Teresa	Saxon	JP Systems	
CJ	Amurao	JP Systems	
Aaron	Green	Labgnostic, Inc.	
Holly	Miller	MedAllies, Inc.	Chief Medical Officer
Desiree	Mustaquim	National Center for Injury Prevention and Control	
Amy	Weinland	Nationwide Children's Hospital	
Sara	Haddon	New York eHealth Collaborative	Manager, Clinical Informatics
Andrea	Pitkus, PhD, MLS(ASCP)CM	none	Laboratory Informaticist
Sara	Armson	ONC	
Natalee	Agassi	Oracle	
Mark	Dorner	PreciseMDX	
Mick	Talley	Southeast Michigan Health Information Exchange	Director & Treasurer, Co-Project Manager SEMHIE
M E	de Baca	Sysmex America Inc	
Katherine	Lusk	Texas Health Services Authority	
Didi	Davis	The Sequoia Project	VP, Informatics, Conformance & Interoperability
Elizabeth	McElhiney	Verisma	Director of Compliance and Government Affairs
Sandra	Mitchell	VHIE, contractor JP Systems	Data Quality
Aaron	Berdofe	Zus Health	

Clinical Scenario

- For clinicians, consuming and quickly assessing laboratory results is a cornerstone of quality care. Issues with formatting, metadata and semantic content often ADD to the cognitive burden on our clinicians.
- These areas, however, represent an opportunity to create a more ‘usable’ data landscape. Opportunities exist in all methods of exchange: HL7v2, CCDA and FHIR. Including:
 - Identifying best practices for ***format and content standards***
 - ***Consistency in use of metadata*** to give context to results
 - Use and maintenance of ***granular semantic mappings*** coupled with ***standardized value sets*** to enable appropriate grouping of tests by receiving systems

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

Community of Practice Update

October 25, 2023



Data Usability

Taking Root Movement

CO-SPONSORED BY



Data Usability Taking Root Initiative Update

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

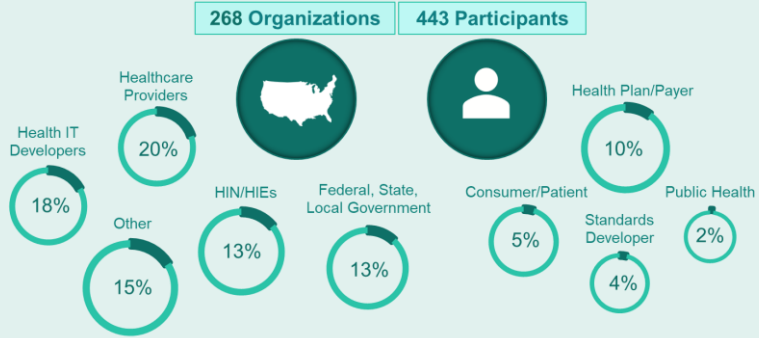
What is the difference between the **Data Usability Taking Root Movement** and the **Data Usability Workgroup**?







Data Usability Workgroup
Develops Guidance



Taking Root Movement
Implements Guidance
An initiative co-sponsored by **AHIMA**



Community of Practice

 Roundtables	 Technical Assistance
 Testing Platform	 In-person Convenings

Participation Levels

 IMPLEMENTER	 SUPPORTER	 SPONSOR
---	---	---

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

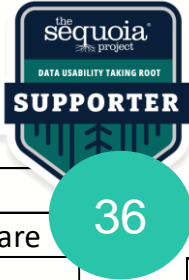
Pledges to provide sponsorship of the Taking Root Summit(s). Socializes and evangelizes the purpose and power of this work. Co-hosts Taking Root Summits and participates in The Data Usability Taking Root Planning Committee, Roundtables, and Summits.



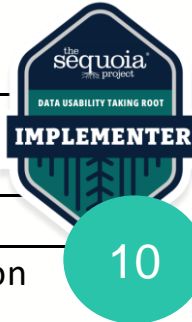
Levels of Engagement

The Data Usability Taking Root Movement

(as of October 23, 2023)



ADVaultinc	MTC Group LLC
American Medical Association	Netsmart
Austin Regional Clinic	NextGen Healthcare
Banner	Optum
Brevard Health	Particle Health Inc.
Civitas	Patientory
Claim Clarity	PeaceHealth
DirectTrust	Premiere Pointe
eHealth Exchange	Social Security Administration
Elevance Health	Surescripts
First Genesis, Inc.	Texas A&M
Foothold Technology	Texas Department of State Health Services
Hawaii Pacific Health	Texas Health Services Authority
HCA Healthcare	The Picture of Health
HealthElence	University of
Johnson and Johnson	Verinovum
Kaiser Permanente	Veterans Health Information Exchange
Kno 2	Zus Health

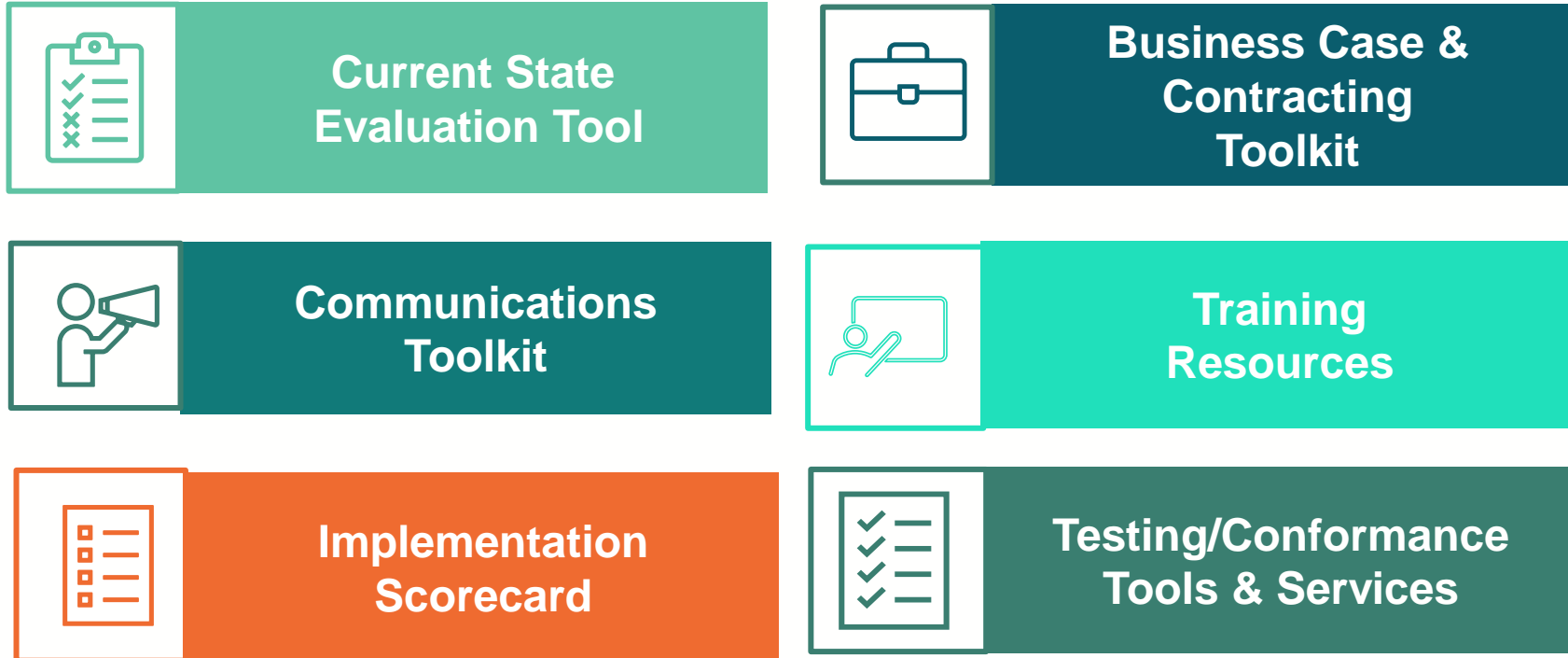


Azuba
Bwell
Clinical Architecture
Delaware Health Information Network
Epic
Health Gorilla
National Institutes of Health, National Institute of Diabetes & Digestive & Kidney Diseases
New York eHealth Collaborative
Opala
Santa Cruz Health Information Exchange



American Health Information Management Association	Program Sponsor
MedAllies	Event Sponsor
Smile Digital Health	Event Sponsor

Assessing Technical Assistance Needs



Assessing Technical Assistance Needs



Implementation Scorecard

- Determine how to quantify and share results
- Define continuous feedback loop for this CoP
- Clarify score card; common metrics for success
- Clarify accountability for conformance in production
- Explain what “implemented” looks like
- Determine how to measure success (SLAs, etc.) and progress over time (recognizing that systems / configs change over time)
- Identify best practices for communicating progress and status of implementation as well as a road map of what’s ahead

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/>

Reducing the Impact of Duplicates

Reducing the Impact of Duplicates

Future Efforts

- Expand **guidance beyond Allergies, Immunizations & Problem Lists**
- List Reconciliation
 - Consider **best practice guidance for receiving systems to optimize speed reconciliation of lists**, including deduplications strategies and auto-reconciliation thresholds
 - **Expand Healthcare Entity to Consumer use case** from Documents/data imported into a system or Portal.
- Problem Oriented Health Record functional requirements are in the process of being balloted by HL7. Future versions of this implementation guide will **consider referencing guidance** once published

Reducing the Impact of Duplicates - FHIR specific proposal from Veterans Health Information Exchange (VHIE)

Scenario

- FHIR documents and the resources can be provided multiple times based on the configuration and workflow at different health care organizations. A national discussion on what makes a message/ resource/record unique needs to be opened. This is an issue at the message and the resource / record level.

SAVE THE DATE: Sequoia Annual Member Meeting

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!**