



## Data Usability Workgroup

August 3, 2023

# Agenda

- Welcome, Introductions, Membership, Agenda - Bill Gregg, MD – 5 minutes
- Overview of Future Efforts for Version 2.0 of the Implementation Guide – Bill Gregg, MD & Adam Davis, MD – 10 min
- Data Usability Taking Root – Didi Davis – 10 minutes
- Data Provenance & Traceability of Changes Proposed work items – 20 minutes
- Save the Dates: Sequoia Annual Member Meeting & ONC Tech Forum: Data Quality Symposium
- 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

268 Organizations

443 Participants



Healthcare Providers



Public Health



Consumer/Patient



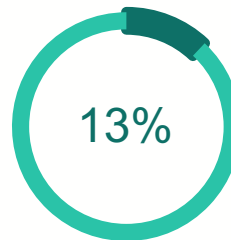
Standards Developer



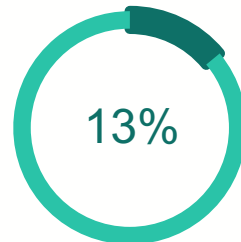
Health Plan/Payer



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

 LYNIATE

 marble

 MatrixCare  
by ResMed

 MedAllies

 Solarity

 MEDVIRGINIA

 bluip

 MiHIN  
Shared Services

 ModMed  
MODERNIZING MEDICINE

 MRO  
Disclosure Management & IIC Solutions

 NC HealthConnex  
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

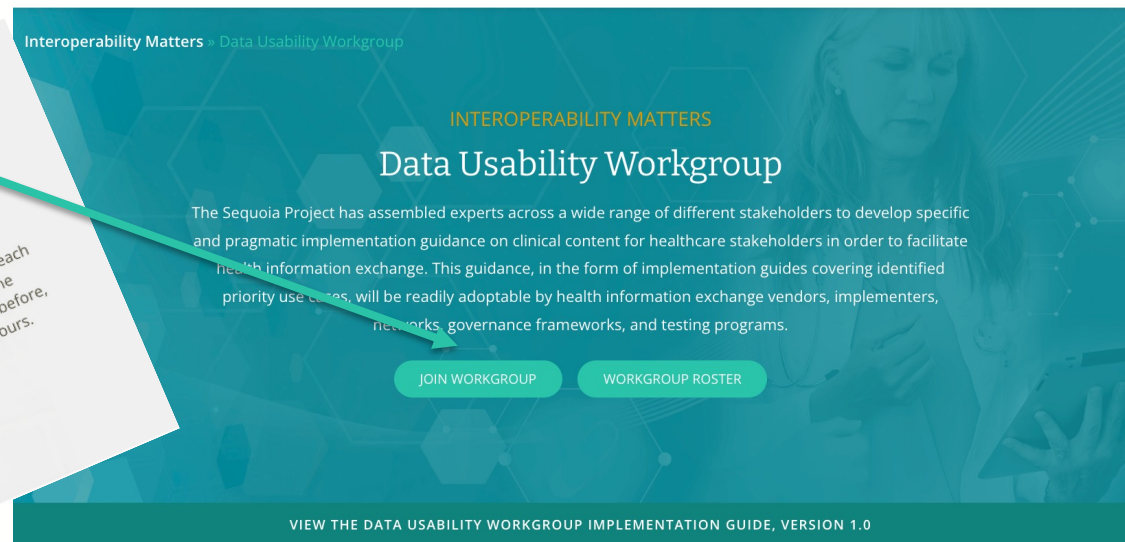
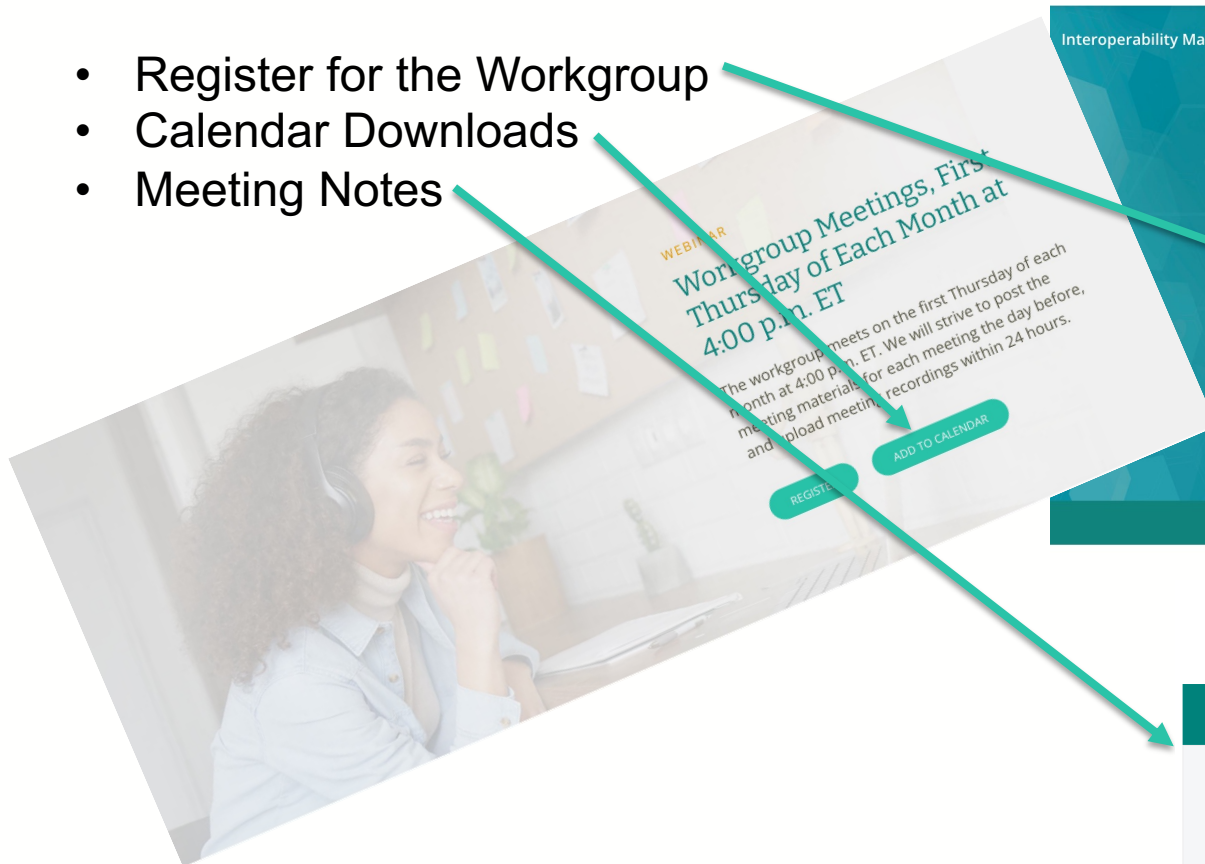
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# Sequoia Member's Shape Interoperability for the Public Good




# 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)
▶ April 6: Meeting Notes			
▶ March 2: Meeting Notes			
▶ February 2: Meeting Notes			

 <https://sequoiaproject.org/interoperability-matters/data-usability-workgroup/>  
[Interopmatters@sequoiaproject.org](mailto: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 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 – dates TBD
- Call for Participation to be sent later August 2023
- Purpose of the Tiger Team – work on Lab focused pain points to advance sending and receiving system guidance to improve usability for all stakeholders

## Cancelling September 7, 2023 Monthly Workgroup Meeting

Due to the following conflicts, the September 7, 2023 Data Usability Workgroup Monthly meeting will be cancelled:

- Data Usability Taking Root Summit being held September 6, 2023
- Incorporating our monthly meeting in collaboration with ONC Data Quality Symposium 12-5pm EST
  - <https://www.healthit.gov/news/events/onc-tech-forum-data-quality-symposium>
- The monthly meeting cadence will resume on October 5, 2023

# Meeting Logistics and Timeline

- 2023 – 2024 Planned Schedule
  - Kickoff Call: February 2, 2023
    - Ongoing calls: 1<sup>ST</sup> 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 Roundtable

July 31, 2023



# Data Usability

Taking Root Movement

CO-SPONSORED BY





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



# Data Usability Taking Root Initiative Update

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

# Why Join Our Data Usability Initiative?


## Because...

- More complete data improves outcomes.
- Better data leads to better and timely decisions.
- Usable data are more actionable
- Reduces clinician burden.
- Guidance promotes consistency across technologies.
- Practical, incremental improvements simplify implementation.
- Addresses a common challenge across all actors.
- It's the right thing to do.



# Putting Guidance Into Practice

- **Identify where to start**
  - Which V1.0 sections are priorities?
  - Which can be done quickly?
  - What is the timeframe?
- **Track progress**
  - Potential self-reported score card promotes transparency and healthy competition
  - # elements supported
  - % of customers supporting
- **Incremental approach**
  - Enables rollout in conjunction with other IT projects
  - Elevates data usability for all IT projects - UAP
- **Other Considerations**
  - Leverage for governmental programs (e.g., EHR certification, USCDI, TEFCA, etc)
  - Address as part of Data Usability Round Table



Participants  
choose their  
own  
implementation  
pathway and  
pace...

# 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 July 20, 2023)



Civitas
DirectTrust
Elevance Health
First Genesis, Inc.
Foothold Technology
HCA
Johnson and Johnson
MTC Group LLC
Netsmart
Particle Health Inc.
Premiere Pointe Podiatry
Texas Health Services Authority
University of Washington
Verinovum
Zus Health



Azuba
BWell
Clinical Architecture
Epic
Health Gorilla
NYeC
Santa Cruz HIO



AHIMA	PROGRAM SPONSOR
Kno2	Event Sponsor
MedAllies	Event Sponsor

...plus many more that have pledged support and are considering whether to be a Supporter or Implementer...

# 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

**Note: Sept 7 is ONC's Data Quality Symposium**  
<https://www.healthit.gov/news/events/onc-tech-forum-data-quality-symposium>





# 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](mailto:takingroot@sequoiaproject.org)**

# Data Provenance & Traceability of Changes

# Data Provenance & Traceability of Changes

## Future Efforts

- [JDCWG C-CDA Whitepaper](#)
  - 1.5.1.1. As [Appendix A](#) highlights, this workgroup whitepaper deliverables **will build upon the reference to USCDI** (most current version) in this original guide to document testable guidance for future implementers.
- [Guidance for Data Provenance](#)
  - **Additional data elements and staged requirements over time**
  - Guidance beyond **HL7 C-CDA** to include **HL7 FHIR** to align with **HL7** mapping
- [Consequential Data Update](#)
  - **Likely build and add data provenance elements** to better communicate the appropriate provenance attributes to support the Who, What, When, Where, How and Why.
  - [US Realm Header - Legal Authenticator Guidance](#)
- Create guidance on **provenance for various use cases**
  - **Healthcare Entity to Consumer / Patient Access and/or remote patient monitoring sensors/devices**



## Data Provenance Traceability of Message Versions

- **Scenario 1** – Both the author and the Care Team contact information are critical for the receiving clinician to reach back with any questions.
- **Scenario 2** – FHIR data exchanges shall have the ability to identify an update to the original message (e.g., HL7 v2.5 Update Patient Information). The value becomes more important as automatic ingestion of external messages is implemented (i.e., source identifies data entered on wrong patient, and is aware the data was exchanged, then an update can be triggered).



# SAVE THE DATES:

## Sequoia Annual Member Meeting

## ONC Data Quality Symposium



SAVE THE DATE

Annual Meeting • NOV 15 - 17

2023

SAN DIEGO

California

the  
sequoia<sup>®</sup>  
project

carequality



## ONC Tech Forum: Data Quality Symposium

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THURSDAY SEPTEMBER 7, 2023 FROM 12:00 – 5:00 PM ET

### Virtual Event

**Register Now** 

High data quality is essential to every aspect of healthcare, research and epidemiology, public health reporting, and realizing the potential of health IT, and is a key ingredient to data aggregation, linkage and interoperability. It is accessible, usable, and actionable, whereas low data quality, such as duplicate patient records or obsolete information creates barriers to care delivery, research insights, and leads to higher costs and inefficiencies.

This symposium will review actionable data quality standards, assessment frameworks, metrics, and real-life challenges and success stories. Symposium attendees will gain knowledge and access to best practices and available solutions that they may apply in their everyday work.

***New in 2023** – The ONC Tech Forum is back in 2023, although with a slightly different look. Instead of a single event, ONC will now host [Tech Forum workshops](#) throughout the year, giving you multiple opportunities to learn about how we can advance health technology to improve patient care, health equity, data exchange, and interoperability*

**<https://www.healthit.gov/news/events/onc-tech-forum-data-quality-symposium>**

## Data Usability Work Group

**For more information:**

[www.sequoiaproject.org/interoperability-matters/data-usability-workgroup/](http://www.sequoiaproject.org/interoperability-matters/data-usability-workgroup/)



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Interopmatters@sequoiaproject.org

Convene



Collaborate



Interoperate



**Thank You for your support of  
Interoperability Matters!**