

## **Data Usability Workgroup**

February 1, 2024



## **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 5 min
- Data Usability Taking Root Community of Practice Update Didi Davis 5 minutes
- Data Provenance & Traceability of Changes work items 30 minutes
- Save the Dates: HIMSS 2024 5 minutes
- Workgroup Discussion & Q&A Didi Davis, Co-chairs and Workgroup



Adam Davis, MD, Co-chair Sutter Health

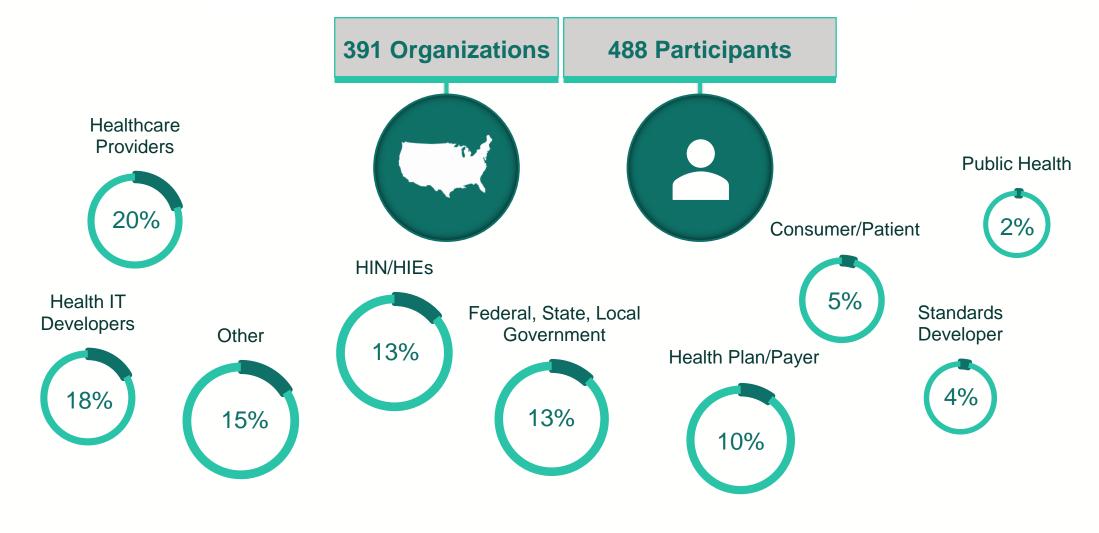


Bill Gregg, MD, Co-chair HCA Healthcare



Didi Davis, VP The Sequoia Project

## **Workgroup Members**



## Sequoia Member's Shape Interoperability for the Public Good







































































## Sequoia Member's Shape Interoperability for the Public Good





































































## Sequoia Member's Shape Interoperability for the Public Good

































## Website, Meeting and Workgroup Logistics



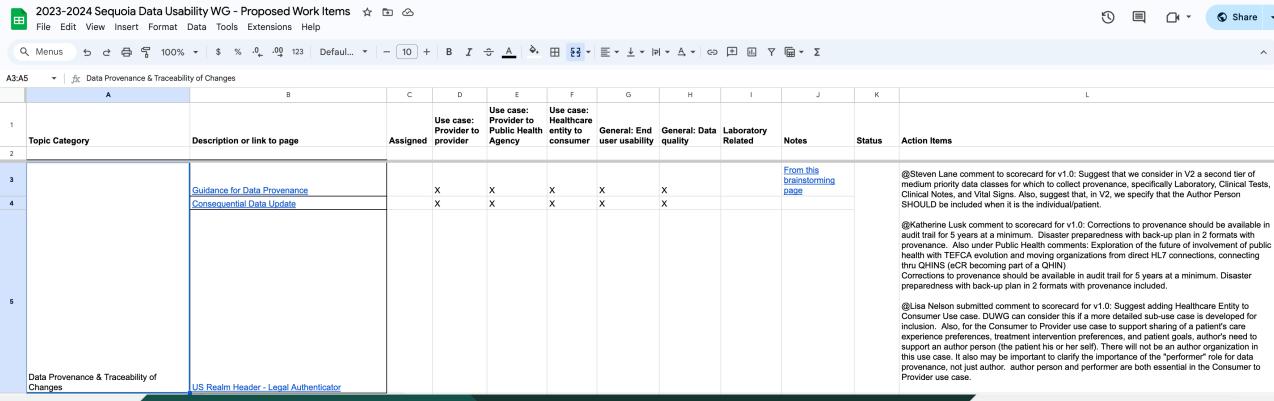


Version 2.0 of the Implementation Guide

## 2023-2024 Sequoia Data Usability WG – Proposed Work V2.0

### Google Spreadsheet used for tracking

Contains Phase 2 IG Development – Parking lot of existing pain points



## **ALL Comments Incorporated into Working Draft IG V2.0**

#### 1. Data Provenance & Traceability of Changes

#### Problem statement

There are many things that can happen between a clinician documenting a piece of clinical data in one system, and a downstream user seeing that data in their own system. "Provenance" refers to the origination or modification (update) of a piece of data and what has happened to it as it has been transmitted between systems, which may include the name of the clinician who originated a piece of data, their organization, or modifications that have been made to the data. Provenance can convey metadata that typically comprises the who, what, when, where and why of the origination or update event. Provenance may pertain to a composite dataset (e.g., CDA/C-CDA document or section) and/or to individual data elements (attributes). Provenance may be inextricably bound to data content (e.g., with digital signature), or may be asserted by association with particular documents, datasets or data elements. Data usability can be impacted when data content/context is ambiguous. The Data Usability Workgroup notes that while the issue is complex, incremental changes to improve provenance can be expanded with future versions.

The problem today is multi-dimensional:

- 1. The data provenance detail is often not shown to users in receiving systems.
- 2. Data provenance elements are not always populated in sending systems. NOTE that USCDI v1/v2 only include two provenance elements: author's organization
- 3. Data exchange leveraging C-CDA in production today does not yet typically include
- provenance attributes. 4. Intermediary data transformations may occur as a result of translational processes, (e.g., a medication intolerance could mutate into an allergy), provenance may help in
- tracking through intermediary systems. 5. Provenance metadata alone does not ensure reliability of information, but is one important dimension in the trust framework. e.g., changes to data from the original entry may also be corrections or meaningful updates to inaccurate historical information.

**Use Cases** 



#### Laura Bright

Comment received from Steve Eichner from v1.0 public comment: Added as future work and consideration should be added for v2.0 work as follows: Page 8: Line 20 The document considers the exchange of C-CDA formatted messages, but does not consider other relevant exchanges. A variety of messages, including HL7 immunization information system Implementation Guide v 1.5, Electronic Laboratory Reporting, and electronic Case Reporting, support different aspects of provenance information.



#### Laura Bright 4:18 PM Today

Question 3) Are there elements in the guidance in v1 that we want to strengthen? (ie. make MAY into SHOULD or SHALL)



#### Laura Bright

Question 1) What data elements are priority to add, now that PAMI is covered?



#### Laura Bright

Question2) Are there Use Cases we need to add? Additional Public Health Use Cases, Remote Patient Monitoring, Reconcilliation, Patient Access, and Patient's correcting their data were suggestions in the comments on v1 of this document. Others?

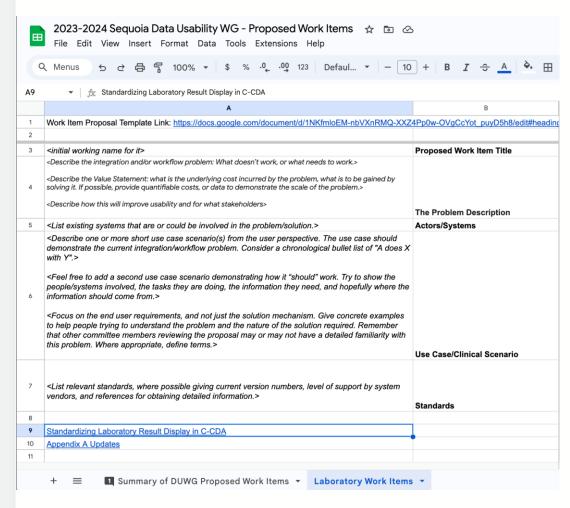


#### Laura Bright

Comment from William Gregg: I added a public health scenario -- not sure if this hits the mark, but is something I have seen cause confusion. Welcome other input on use cases for Public health provenance

- Prior Provenance "parking lot" documents updated to view only access
- Comments incorporated into this working draft
- Comments will be discussed and on monthly calls
- Homework assignments for input from Workgroup monthly
- Internal comments resolved leading to public comment version posted July 2024

## Laboratory Tiger Team – January 11, 2024



- Google Spreadsheet used for tracking will be place for gathering Laboratory Data Exchange pain points
  - Use cases and standards
- Priority Labs Spreadsheet
- Tiger Team will meet monthly
  - Next meeting February 8, 2024

# Tiger Team Roster 48 members 39 organizations

First Name	Last Name	Company
Maria	Moen	ADVault, Inc.
Mary-Sara	Jones	Amazon
Jenna	Rychert	ARUP Laboratories
Riki	Merrick	Association of Public Health Laboratories
Reddy C	Haraneesh	AthenaHealth, Inc.
Manish	Naik	Austin Regional Clinic
Muktha	Natrajan	CDC
Hung	Luu	Children's Health System of Texas
Stephanie	Broderick	Clinical Architecture
Carol	Ross	Clinisys, Inc.
Robert	Rae	College of American Pathologists
Scott	Stuewe	DirectTrust
Jay	Nakashima	eHealth exchange
Benjamin	Ollila	Epic
Supantha	Samanta	Epic systems corporation
Robert	Oakley	Evernorth - Office of Interoperability
Nathan	Davis	Graphite Health
Stanley	Huff	Graphite Health
Hilary	Greer	HCA
Steven	Lane	Health Gorilla Inc.
Hazel	Chappell	Ishca health
Teresa	Saxon	JP Systems
CJ	Amurao	JP Systems
Sulayman	Aziz	jpsys

First Name	Last Name	Company
Aaron	Green	Labgnostic, Inc.
Deb	Loniewski	MDHHS
Holly	Miller	MedAllies, Inc.
Desiree	Mustaquim	National Center for Injury Prevention and Control
Amy	Weinland	Nationwide Children's Hospital
Sara	Haddon	New York eHealth Collaborative
Andrea	Pitkus, PhD, MLS(ASCP)CM	none
Sara	Armson	ONC
Natalee	Agassi	Oracle
Hans	Buitendijk	Oracle
Mark	Dorner	PreciseMDX
Christopher	Kellogg	Quest Diagnostics
Christopher	Harrison	Quest Diagnostics
Mick	Talley	Southeast Michigan Health Information Exchange
Daniel	Wyman	Synensys
Stephen	Powell	Synensys
Alana	Keller	Synensys, LLC
МЕ	de Baca	Sysmex America Inc
Katherine	Lusk	Texas Health Services Authority
Thomas	Bronken	Trinity Health
Elizabeth	McElhiney	Verisma
Sandra	Mitchell	VHIE, contractor JP Systems
Aaron	Berdofe	Zus Health

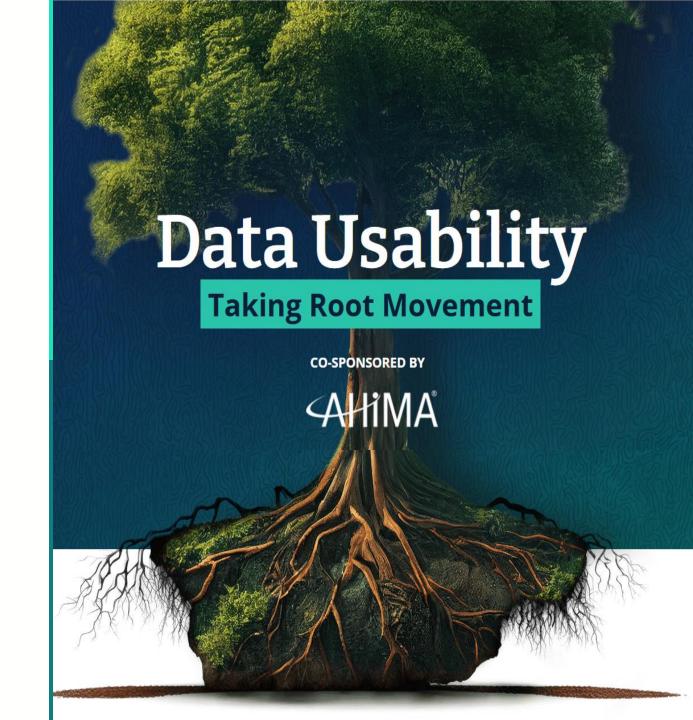
## **Meeting Logistics and Timeline**

- 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 Update

January 24, 2024





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





## The Data Usability Taking Root Movement - January 2024





Azuba	
Bwell	
Celeste	
Clinical Architecture	
Delaware Health Information Network	

40

He	alth	Gori	lla		
	_		-	_	

National Institutes of Health, National Institute of Diabetes & Digestive & Kidney Diseases

New York eHealth Collaborative

Opala

Epic

Santa Cruz Health Information Exchange



ΑI	DVaultinc
Αı	merican Medical Association
Αι	ustin Regional Clinic
Bá	anner
Bı	revard Health Alliance
Ci	ivitas
Cl	aim Clarity
Di	irectTrust
еŀ	Health Exchange
Εl	evance Health
Fi	rst Genesis, Inc.
Fc	oothold Technology
На	awaii Pacific Health
Н	CA Healthcare
Н	ealth Services of North Texas (HSNT)
Н	ealthElence
Jo	hnson and Johnson
Ka	aiser Permanente
Kr	no 2
M	leditech
Μ	ITC Group LLC

Netsmart
NextGen Healthcare
Optum
Particle Health Inc.
Patientory
PeaceHealth
Premiere Pointe Podiatry
Social Security Administration
Surescripts
Texas A&M
Texas Department of State Health Service
Texas Health Services Authority
Texas State University
The Picture of Health
The University of Texas Health Science O
University of Washington
Verinovum
Veterns Health Information Exchange
Wolters Kluwer Health, Health Language
Zus Health



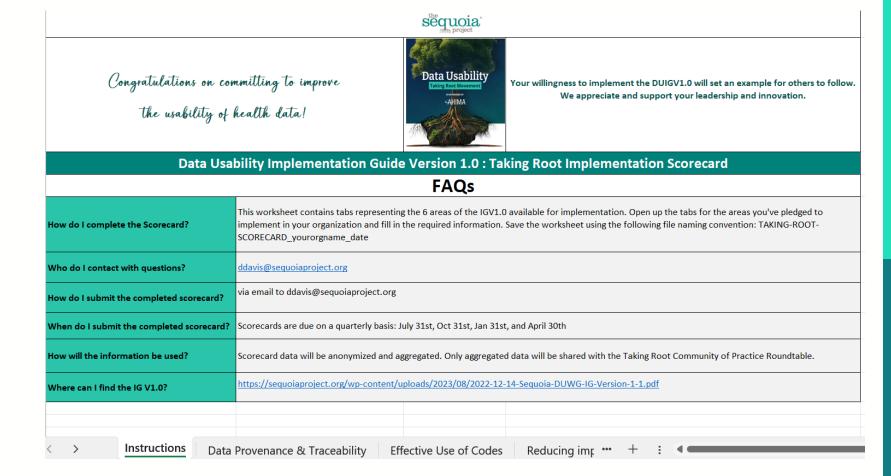


OTHER ROUNDTABLE	Carequality
PARTICIPANTS	HIMSS EHRA Association
	IHIE
8	OCHIN
	Oracle
	Stanford Health
	Sutter Health
	Veterans Administration

## **Status**



- Ready for use
- Will be distributed to implementers upon signing pledge in March
- Quarterly reporting process
- Anonymized and aggregated reporting





## **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/



Data Provenance &Traceability of Changes



## Reminders

### **HIMSS 2024**

- Interoperability & HIE Forum
  - Monday, March 11 8:00 AM 4:30 PM Eastern Time
  - USCDI Data Usability & Certification: A Dual Perspective
  - Monday, March 11, 2024 11:15 AM Location: W304A
- Building a Framework for Better Data Quality
  - Tuesday, March 12 2:45 PM 3:05 PM EST –
  - Location: Interoperability Showcase Spotlight Theater | Hall B | Booth 3760
- An Office of the National Coordinator for Health IT—Common Agreement Update from the Recognized Coordinating Entity
  - Tuesday, March 12 4:15 PM 5:15 PM EST- Location: Hall F (WF4)
- TEFCA/FHIR Roadmap & CA Version 2.0
  - Thursday, March 14 10:00 AM 11:00 AM EST- Location: Hall F (WF4)





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!