



Interoperability MATTERS

an initiative of The Sequoia Project

Data Usability Workgroup

September 1, 2022

Agenda

- Welcome, Introductions, Membership, Agenda and Workgroup Recap - Adam Davis, MD – 10 minutes
- Workgroup Timeline, Website, Meeting and Workgroup Logistics – Bill Gregg, MD – 10 minutes
- Data Usability Workgroup Phase 3 – Overview – Didi Davis - 20 minutes
 - Phase 3 Begins: [Press Release](#) for the publication of the Draft IG was sent out August 29, 2022
 - Review process of public comment
 - Brainstorm on industry outreach possibilities



Adam Davis, MD, Co-chair
Sutter Health



Bill Gregg, MD, Co-chair
HCA Healthcare



Didi Davis, VP
The Sequoia Project

Workgroup Members

223 Organizations

351 Participants



Healthcare Providers



Public Health



Consumer/Patient



Standards Developer



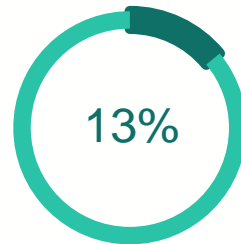
Health Plan/Payer



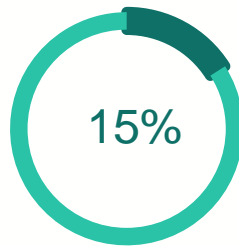
Federal, State, Local Government



HIN/HIEs



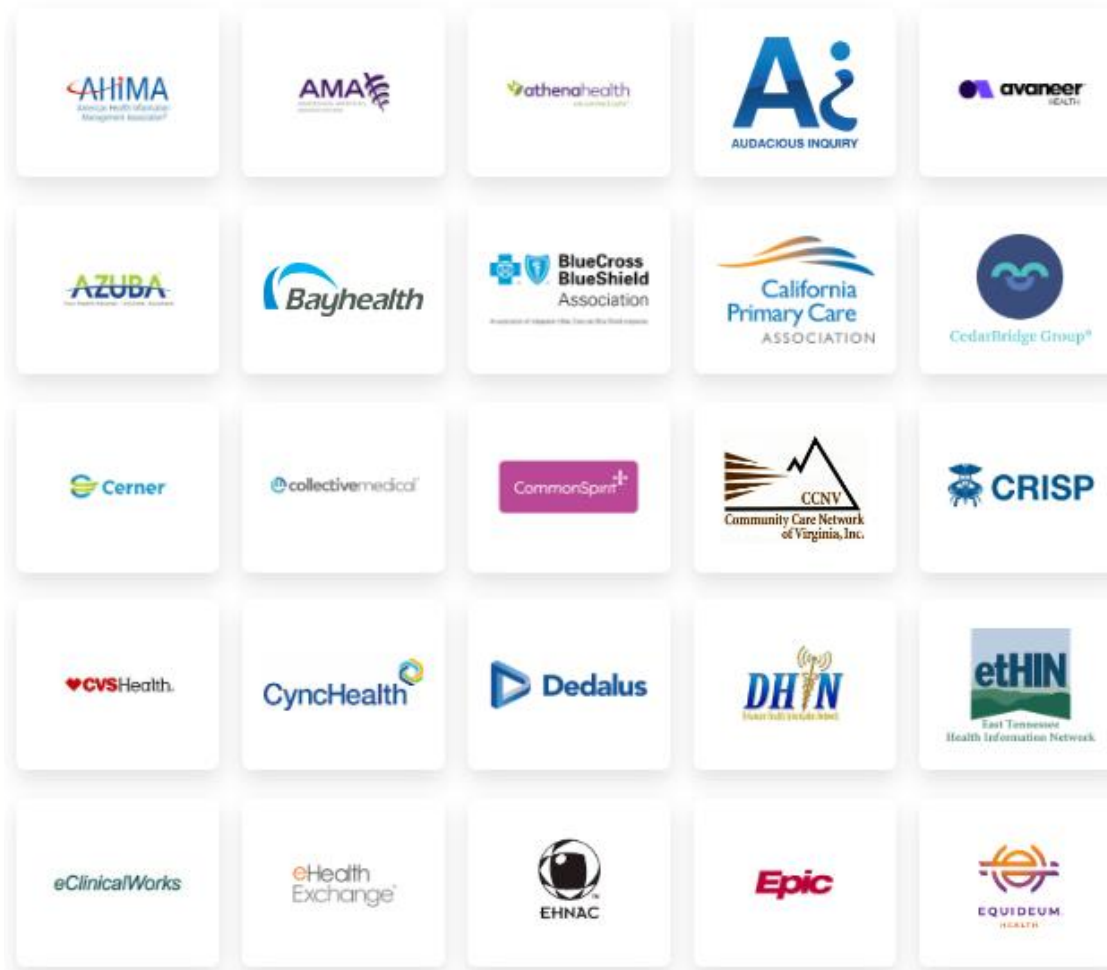
Other



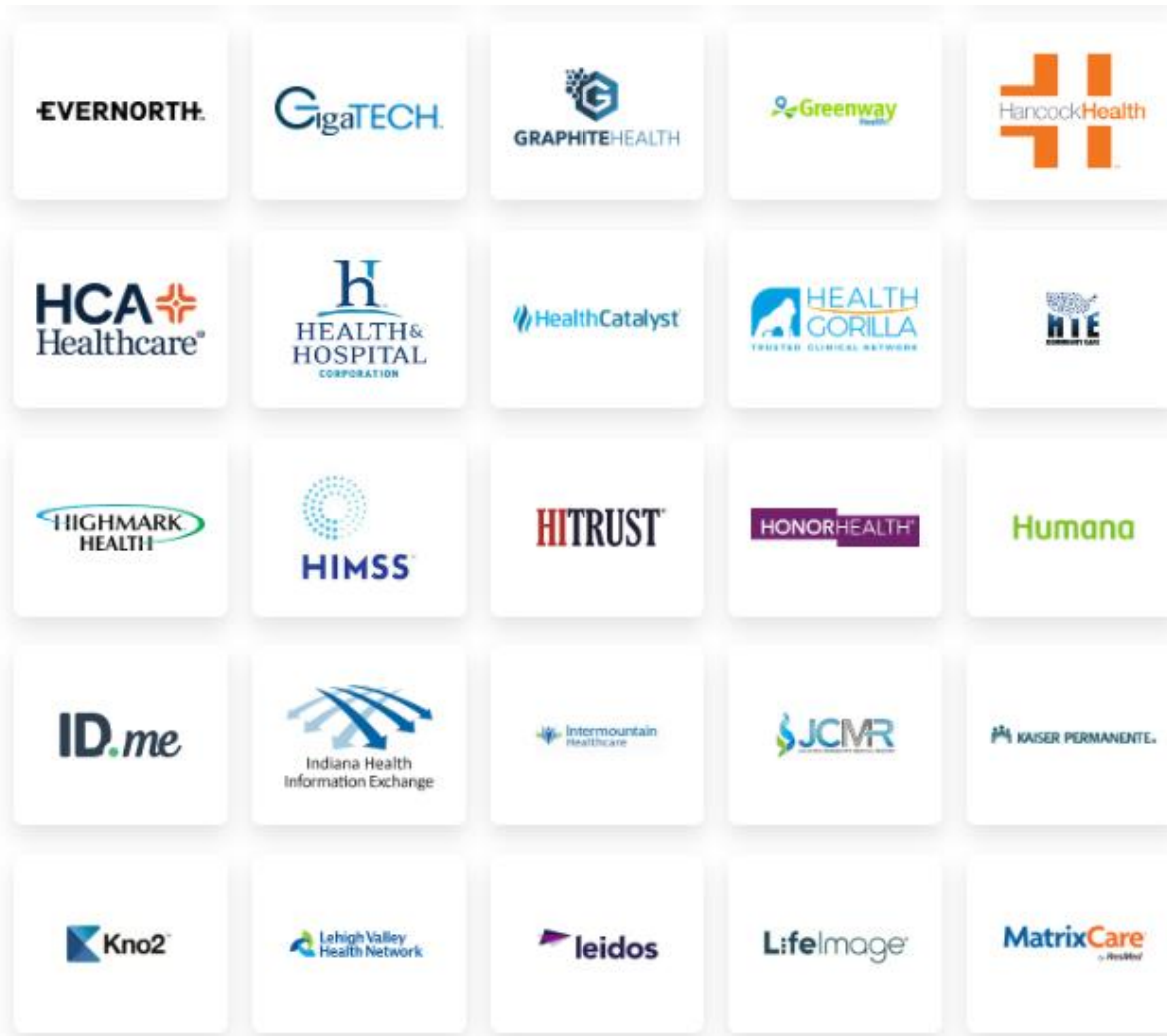
Health IT Developers



Sequoia Member's Shape Interoperability for the Public Good



Members Continued



Members Continued



- CA Emergency Medical Services Association
- Cureous Innovations
- Hawaii HIE
- Health InfoNet
- Imprado
- Innovaccer
- Lyniate
- Mayo Clinic
- Mednition
- NJII
- Parker Health
- Virginia HIE

Interoperability Matters Workgroups



A Public-Private Cooperative Solving Discrete Health Information Exchange Challenges

Interoperability Matters Workgroups

Information Blocking
Compliance Workgroup

[LEARN MORE](#)

Data Usability
Workgroup

[LEARN MORE](#)

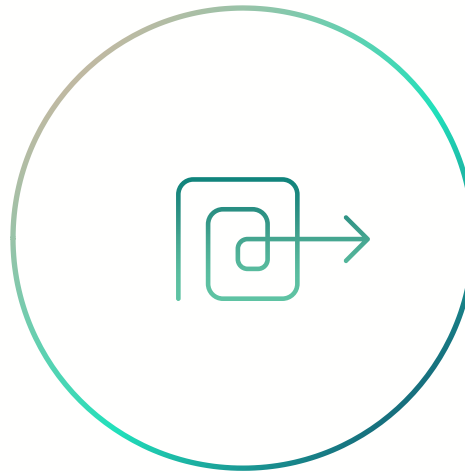
Emergency Preparedness
Information Workgroup

[LEARN MORE](#)

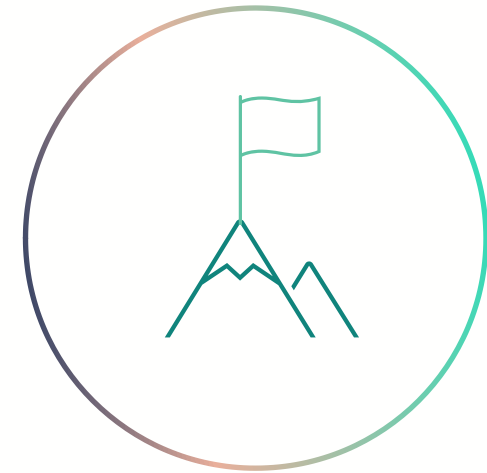
Interoperability Matters Process



Identify



Prioritize



Solve

Phase 1: Administration and Prioritization

Phase 2: Developing Initial Draft

Phase 3: Public Comment Period/ Recommended Next Steps

Phase 4: Finalizing Implementation Guide

223
Organizations
351
Participants



October 2020

Workgroup launches

Open call for participation

Priority work items discussed
for scoping on Draft
Implementation Guide

Input on data usability pain
points received, categorized,
and prioritized

March 2021

Workgroup votes on
priority work items

April 2021

Begin writing Draft
Implementation Guide

June 2021

Clinician Workshop gathers
feedback from additional vendors
and workgroup members

August 30, 2022

Draft Implementation
Guide published

August 30, 2022

45-Day public comment
period begins

Sequoia Project works with
industry partners and leaders to
encourage and solicit feedback

October 14, 2022

Public comments due

December 14, 2022

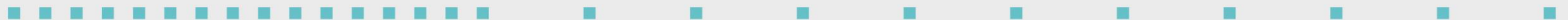
The Sequoia Project Annual
Member Meeting

Implementation Guide published

Continues through January 2023

Industry vendor call to action
for commitment to implement
guidance

Iterate for future versions of Implementation Guide



Weekly Meetings

January 2022

Monthly Meetings

Website, Meeting and Workgroup Logistics

- Register for the Workgroup
- Calendar Downloads
- Meeting Notes



Meeting Materials and Recordings

Phase 2

September 9: Meeting Notes	+
August 26: Meeting Notes	+
August 12: Meeting Notes	+
July 8: Meeting Notes	+
June 10: Meeting Notes	+
May 13: Meeting Notes	+
Apr 8: Meeting Notes	+
Apr 1: Meeting Notes	+
Apr 15: Meeting Notes	+

Phase 1

Mar 25: Meeting Notes	+
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Four Work Phases


The Interoperability Matters **Leadership Council** chartered the Data Usability Workgroup to work in the following phases:

PHASE 1
Administration and Prioritization
October 2020-March 2021
[View Meeting Notes](#)

PHASE 2
Developing Initial Drafts (current)
April 2021-Q1 2022
[View Meeting Notes](#)

PHASE 3
Public Comment Period/ Recommended Next Steps
TBD, based on end of Phase 2-60 days after start

PHASE 4
Finalizing Implementation Guides
[TBD, based on end of Phase 3]-13 months after start]

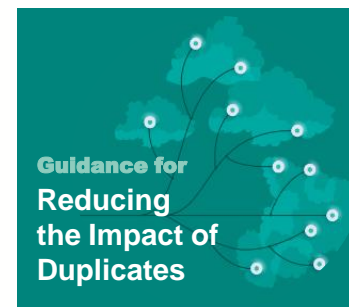
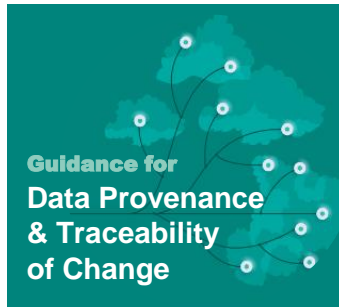
 <https://sequoiaproject.org/interoperability-matters/data-usability-workgroup/>
Interopmatters@sequoiaproject.org

Phase 2 Implementation Guide Development Process

- Co-chairs and staff organized and gathered the content for the 8 topic areas developed in phase 1 activities
- Topics were addressed in priority order
 - Staff reviewed existing industry guidance from Carequality/Commonwell, CDC, HL7, LOINC, NLM, ONC, and other industry groups
 - Integrated feedback from workgroup members, workshop(s), vendor discussions and Interoperability Matters Advisory and Leadership Councils to the draft IG
 - Reviewed feedback from the Data Usability Collaboration space / forum
 - <https://sequoiaproject.org/interoperability-matters/data-usability-workgroup/>
 - Updated the Draft IG for each topic category and use case
 - All workgroup comments were accepted to the draft IG through August 19, 2022

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
 - Six Topic Categories
 - Guidance with SHALL, SHOULD, MAY
- References
- Appendix A – High Priority Lab Results

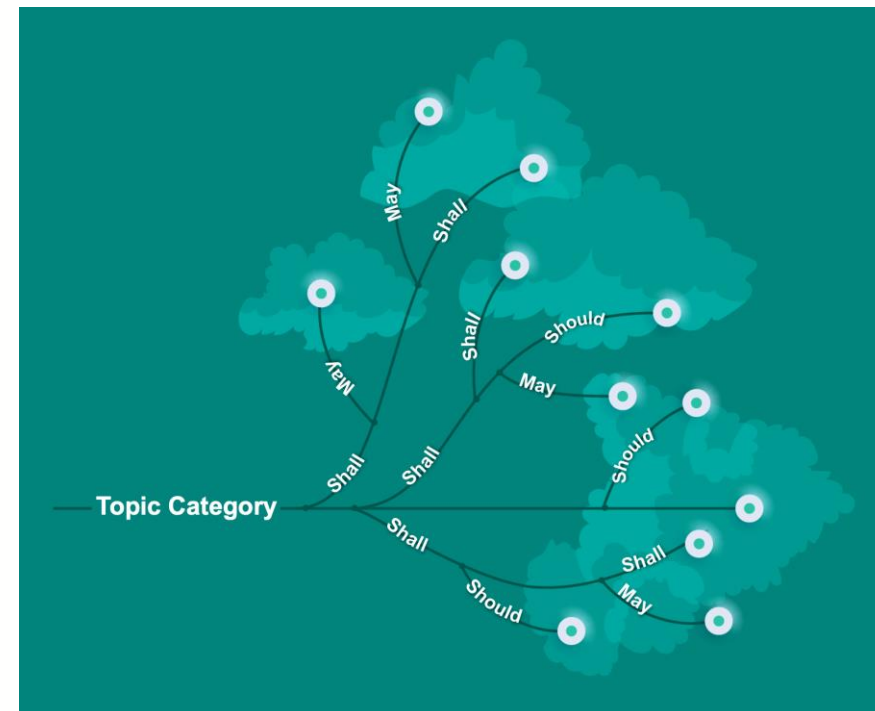


Use Cases

- Provider-to-provider health information exchange
- Provider-to-public health agency information exchange
- Healthcare entity-to-consumer information exchange

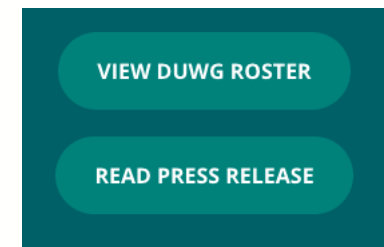
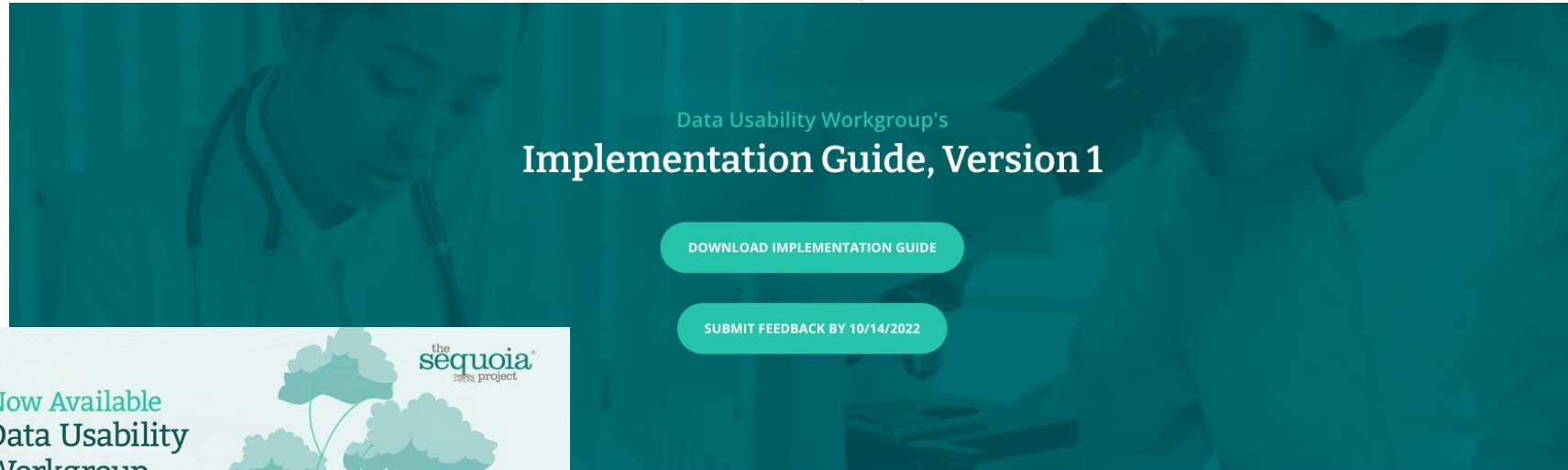
Section / Chapter Structure

- Problem statement
- Use Cases
- Existing Published Work
- Guidance
- Future Efforts



Phase 3: Public Comment Website Navigation

- The [Implementation Guid](#)
- [e was published](#) August 29, 2022 for **45 day** public comment period **ending October 14, 2022**
- The Implementation Guide and Comment form can be found [here](#)
- At the top of this page you will find two buttons
 - Download the Implement Guide PDF using the first button
 - The second button takes you to the Sequoia form Tool used to Submit Feedback by October 14, 2022
- Scroll past the Executive Summary to find the [workgroup roster](#) of members and [press release](#) issued August 29, 2022



Phase 3: Public Comment Process

- Comments **require** a **name** and **email** reference
- When ready to comment you will need to do the following:
 - Page # and Line # for comments in the appropriate section on the form (line numbers are included in the published IG)
 - There is a comment box for each section 1-6
 - General comments not specific to one topic category should be included in the Additional Feedback section of the form with page & line #s
 - Don't forget to Click Submit!

SUBMIT

1. Data Provenance & Traceability of Changes

Page 11, line 12 - Add hyperlink for quick reference to HL7 Implementation Guide
Page 11, line 19 - Add internal document link to Appendix A

2. Effective Use of Codes

Page xx, line xx - Comment, suggested edits

3. Reducing the Impact of Duplicates

Page xx, line xx - Comment, suggested edits

Provide page number and line number

4. Data Integrity, Format and Trust

5. Data Tagging / Searchability

6. Effective Use of Narrative for Usability

Additional Feedback

1.4.3. A sending system SHALL include provenance information, when available, at the entry level for allergies, immunizations, and problems as specified by USCDI v1 or the most current version when a companion guide specification is published by HL7. This information SHALL include author organization and time stamp.

1.4.4. Sharing Author Person for USCDI Data

1.4.4.1. The Data Usability workgroup endorses the elevation of author person from a Level 2 data element to full USCDI inclusion.

1.4.4.2. Prior to that change, provenance entries SHOULD include the author person for a data item when known. While author person is not required by USCDI it provides valuable context for receivers on where the data originated. The HL7 implementation guide linked in section 1.3 includes guidance for how to share author person.

1.5. Future Efforts

1.5.1. 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

1.5.2. Guidance for Data Provenance

1.5.2.1. Additional data elements and staged requirements over time using SHALL, SHOULD, MAY will be considered. It is expected this will be aligned with the USCDI future versions as ONC releases these.

1.5.2.2. Additional attributes will be considered such as Medication Prescriber information and others.

1.5.2.3. Guidance beyond HL7 C-CDA to include HL7 FHIR will be added to align with HL7 mapping work currently underway.

1.5.2.4. Support and promotion for the addition of Credential and Role information for Author to the USCDI future versions.

1.5.3. Consequential Data Update

1.5.3.1. From the end user perspective, it is often difficult to discern the point of origin or "source of truth" for a particular dataset or data item. This is particularly true as data finds its way traversing multiple exchange hops distant from its point of origination, as data content and context may be transformed multiple times, e.g.,

Phase 3: Public Comment Links

- Multiple forms may be submitted from one person and/or organization until October 14, 2022
- Sequoia will be reaching out to socialize with industry partners through the comment period
- Share with your colleagues – comments are welcome from all and encouraged
 - [Press Release Issued August 29, 2022](#)
 - [Implementation Guide](#)
 - [Comment Form](#)
 - [Workgroup Roster](#)
 - [Join the Workgroup](#)



Phase 3: Public Comment Process Example

Interoperability MATTERS

Data Usability Workgroup
Implementation Guide Version

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11

1

DUWG Implementation Guide Feedback Form

The Data Usability Workgroup is seeking public feedback on the Implementation Guide, Version 1 through **October 14, 2022**. Please include the page number and line number for all comments.

DUWG Implementation Guide Feedback

Name *(Required)*

Didi

Davis

First

Last

Email *(Required)*

ddavis@sequoiaproject.org

Organization

The Sequoia Project

Organization URL

www.sequoiaproject.org

1. Data Provenance & Traceability of Changes

Page 11, line 12 - Add hyperlink for quick reference to HL7 Implementation Guide
Page 11, line 19 - Add internal document link to Appendix A

2

Enter comments for specific sections

3

SUBMIT

Once all comments are entered, scroll to bottom of form and click submit button

4

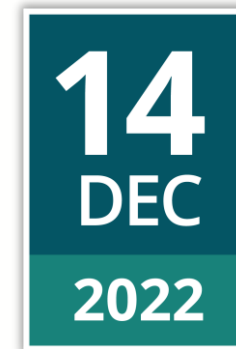
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The Data Usability Workgroup is seeking public feedback on the Implementation Guide, Version 1 through **October 14, 2022**. Please include the page number and line number for all comments.

Thanks for contacting us! We will get in touch with you shortly.

Phase 4: Finalizing Implementation Guide for Publication

- Comments will be disposed as they are received by the Leadership team and socialized on the monthly workgroup meetings (first Thursday of each month) through December 1, 2022
- **The Final Version 1** of the Implementation Guide will be published **December 14, 2022**
- The Implementation Guide will be highlighted at the in-person Sequoia Annual Member Meeting in Washington, DC
 - Grand Hyatt Washington
 - Register and Subscribe for Updates
 - <https://sequoiaproject.org/2022-annual-meeting/>



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!**