Annual Meeting 2023 SAN DIEGO California

Data Usability: Under Construction

the sequoia project   carequality

Thursday, November 16, 2023
9:30 – 10:00 AM

Introductions

Didi Davis
The Sequoia Project
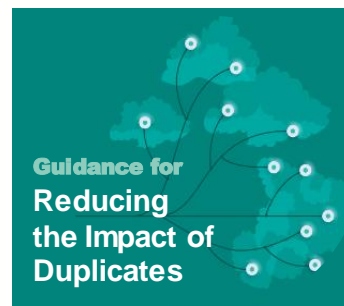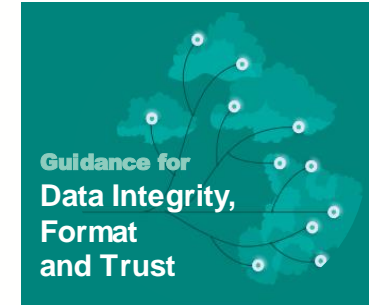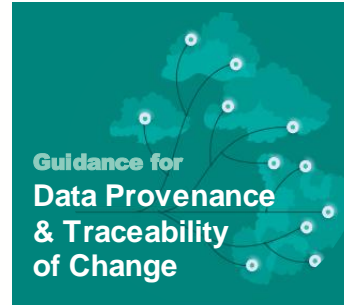

Dr. William Gregg
HCA Healthcare

Data Usability History and Purpose

- Launched October 2020 as prioritized by Sequoia Board and Membership
- Chartered to develop specific and pragmatic implementation guides on clinical content for healthcare stakeholders to facilitate health information exchange.
- Cover identified priority use cases, that are readily adoptable by health information exchange vendors, implementers, networks, governance frameworks, and testing programs.
- Target improvements to enable semantic interoperability of health information to improve the quality and usability of data received by end users within their workflows.
- Build on existing work (e.g. C-CDA Templates, ONC, USCDI V1, joint Carequality-CommonWell Document Content Workgroup) and coordinate with related SDOs and industry initiatives.

Implementation Guide v1.0 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
- Appendix B – A Priority list of documents for information sharing

Guidance for **Data Provenance & Traceability of Change**

Guidance for **Data Integrity, Format and Trust**

Guidance for **Effective Use of Codes**

Guidance for **Data Tagging / Searchability**

Guidance for **Reducing the Impact of Duplicates**

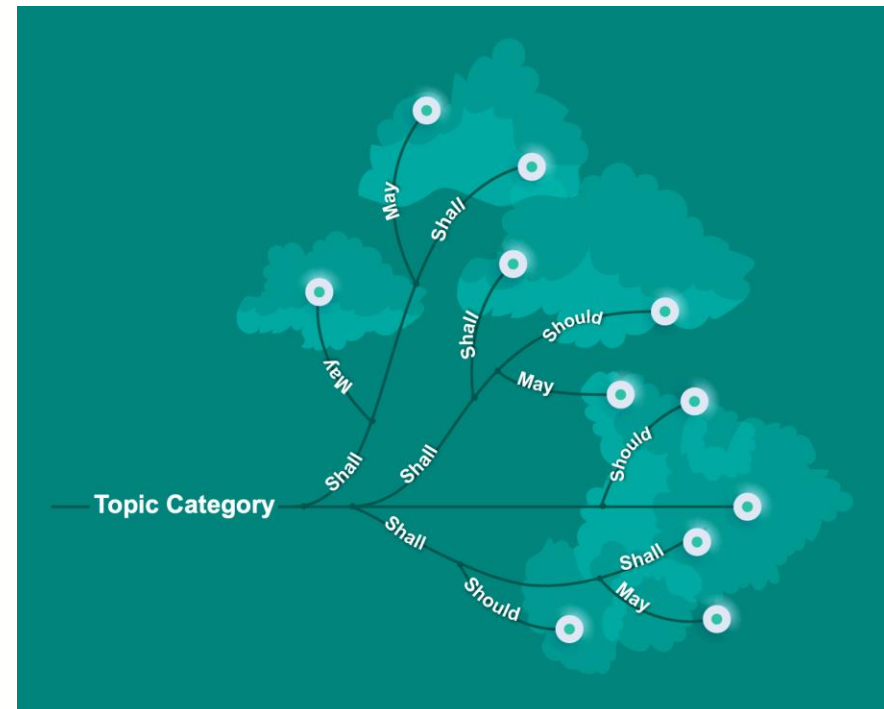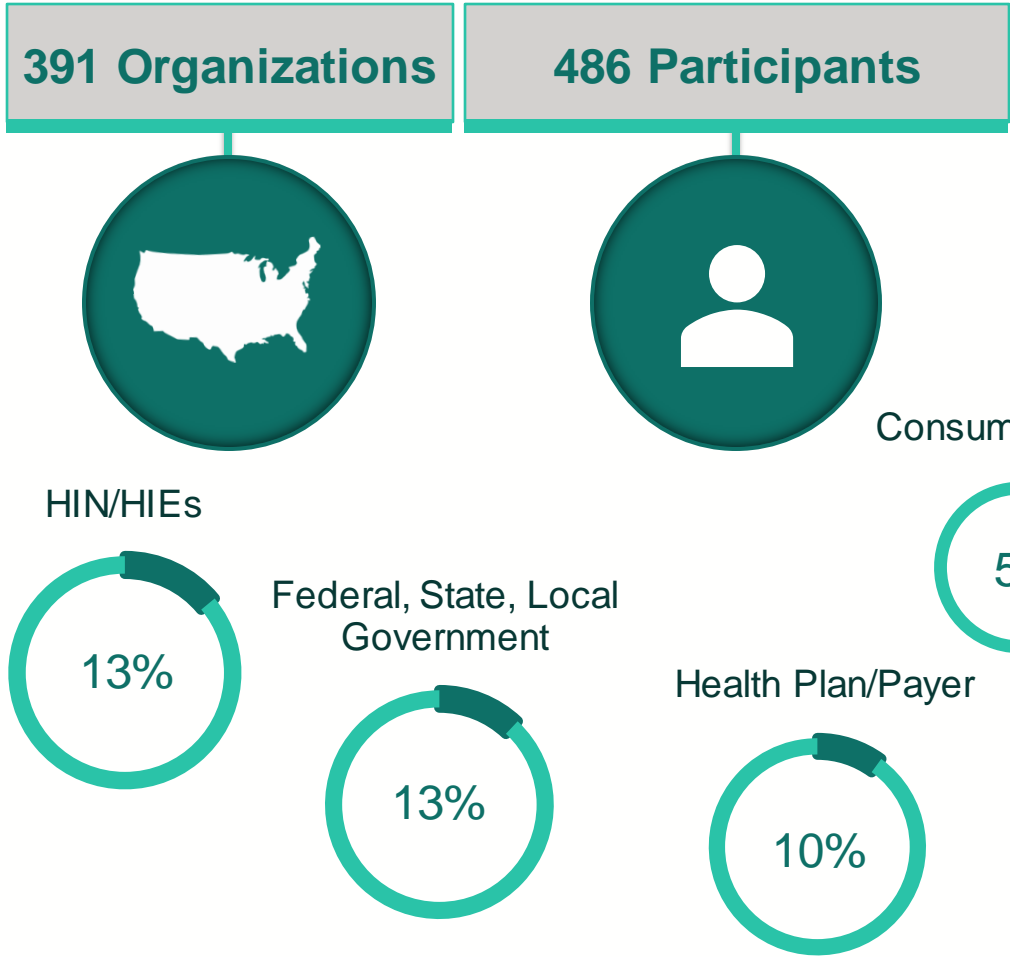Guidance for **Effective Use of Narrative for Usability**

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

Workgroup Members

391 Organizations **486 Participants**

Healthcare Providers — 20%

Health IT Developers — 18%

Other — 15%

HIN/HIEs — 13%

Federal, State, Local Government — 13%

Health Plan/Payer — 10%

Consumer/Patient — 5%

Standards Developer — 4%

Public Health — 2%

2023-2024 Sequoia DUWG - Proposed Work Items

- <u>Google Spreadsheet used for tracking</u>
  - 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
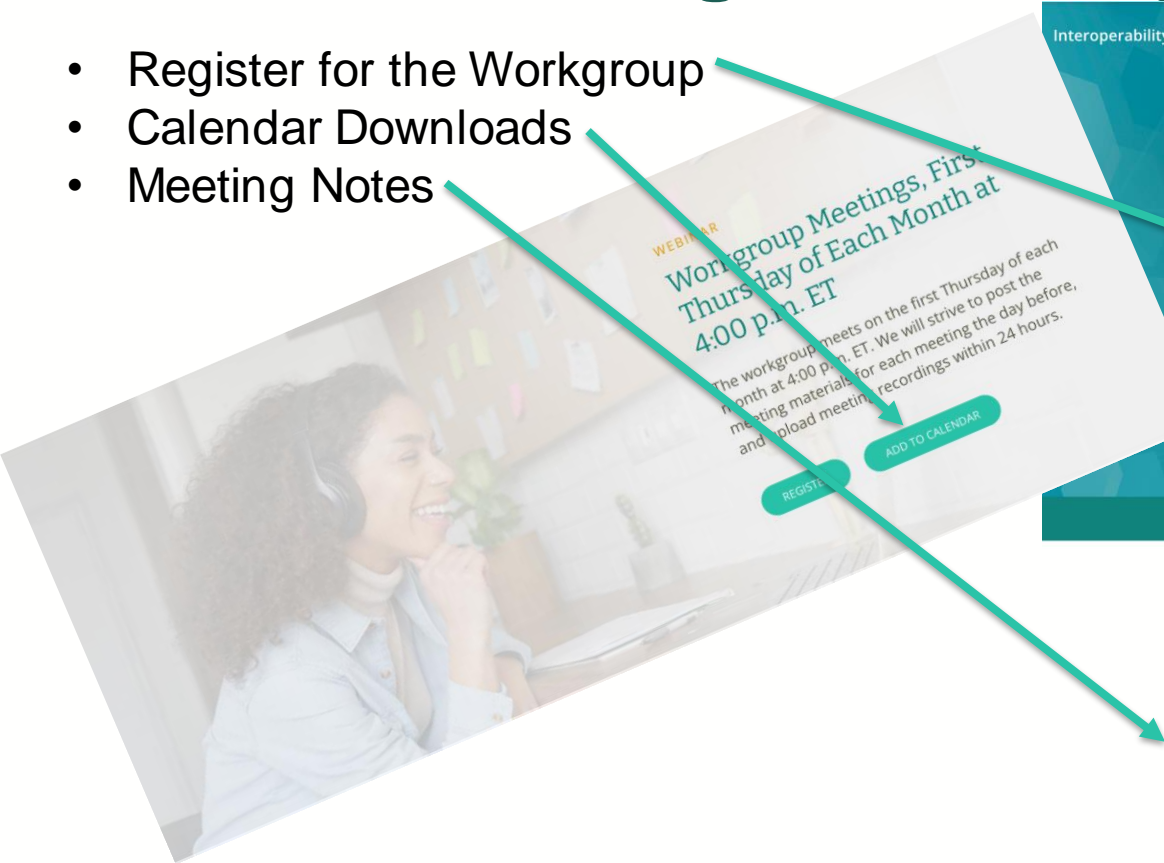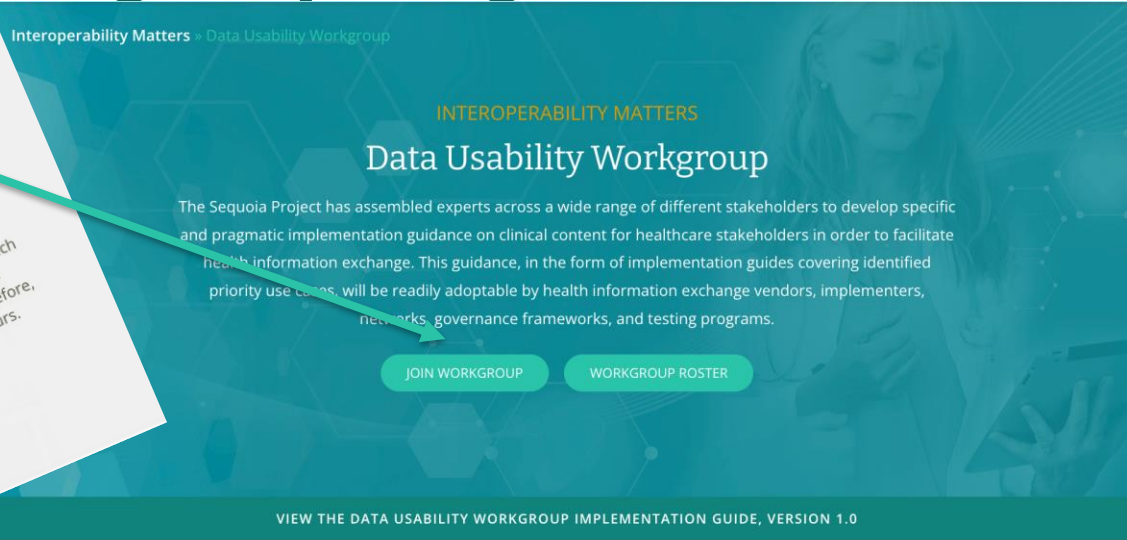
Clinical Scenario

- 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

Website, Meeting and Workgroup Logistics

- Register for the Workgroup
- Calendar Downloads
- Meeting Notes

https://sequoiaproject.org/interoperability-matters/data-usability-workgroup/

Interopmatters@sequoiaproject.org

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

V3.0

V2.0

V1.0

Guidance for Data Provenance & Traceability of Change

Guidance for Data Integrity, Format and Trust

Guidance for Effective Use of Codes

Guidance for Data Tagging/ Segmenta...

Guidance for Reducing the Impact of Duplicates

Guidance for Effective Use of Narrative for Usability

Data Usability
Workgroup
Develops Guidance

Deployment **Guidance**

Taking Root
Movement
Implements Guidance

An initiative co-sponsored by **AHIMA**

Development **Feedback**

Community of Practice

Roundtables

Technical Assistance

Testing Platform

In-person Convenings

Participation Levels

IMPLEMENTER SUPPORTER SPONSOR

268 Organizations **443 Participants**

Healthcare Providers 20%

Health IT Developers 18%

Other 15%

HIIN/HIEs 13%

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Discussion/Questions

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