Data Usability: Under Construction

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
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

- Healthcare Providers: 20%
- Health IT Developers: 18%
- Other: 15%
- HIN/HIEs: 13%
- Federal, State, Local Government: 13%
- Consumer/Patient: 13%
- Health Plan/Payer: 10%

486 Participants

- Standards Developer: 4%
- Public Health: 2%
- Other: 13%
- 20%
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
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

Interopmatters@sequoiaproject.org

Meeting Materials and Recordings

- October 12: Lab Tiger Team Meeting
- October 5: Meeting Notes
- August 3: Meeting Notes
- July 6: Meeting Notes
What is the difference between the Data Usability Workgroup and the Data Usability Taking Root Movement?

Data Usability Workgroup
Develops Guidance

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

Deployment Guidance

Development Feedback

Community of Practice
- Roundtables
- Technical Assistance
- Testing Platform
- In-person Convenings

Participation Levels

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Discussion/Questions