STANDARDS DEVELOPMENT: HOW DO WE GET THE STANDARDS WE NEED?

2018 UNIVERSITY OF WASHINGTON FHIR WORKSHOP
SEPTEMBER 24, 2018

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DISCLOSURES

• In the past year, I have been a consultant or sponsored researcher on clinical decision support for ONC*, Hitachi, McKesson InterQual, and UC San Francisco

*via various subcontractors
AGENDA

• Relevant organizations and processes
• How to best engage
HEALTH LEVEL 7 INTERNATIONAL (HL7)

- Primary standards development organization for Health IT
- Core standards:
  - Version 2.X messages
  - Clinical Document Architecture (CDA) specifications
  - FHIR and related technologies (SMART, CDS Hooks)
- Meets 3x/yr face-to-face, including for FHIR Connect-a-Thons
- Work gets done in domain-focused Work Groups
INTEGRATING THE HEALTHCARE ENTERPRISE (IHE)

- Based on use cases
- Active EHR vendor engagement
- Develops detailed implementation guides
- Validates interoperability via Connect-a-Thons
HEALTH IT ADVISORY COMMITTEE (HITAC)

- Established by 21st Century Cures Act
- Primary federal advisory body on health IT
- Work conducted through Task Forces, e.g., Interoperability Standards Priorities Task Force
- Key question: strategy for interoperability in the post-Meaningful Use era
US CORE FHIR PROFILES AND ARGONAUT

• De-facto standard for EHR FHIR implementations
• Heavily vendor driven
• Tackles several priorities each year
CLINICAL INFORMATION MODELING INITIATIVE (CIMI)

• Idea: develop a canonical logical data model from which specific physical models (e.g., FHIR profiles) can be derived

• Could help significantly with stabilizing knowledge-based solutions as FHIR and other models continue to evolve

• Initial end-to-end solutions just starting to be developed
HEALTHCARE SERVICES PLATFORM CONSORTIUM (HSPC)

- Provider-driven organization for achieving a truly interoperable, FHIR-based health IT ecosystem
- Could potentially serve as a home for defining common FHIR profiles against which interoperable FHIR-based solutions can be developed
BUILD INITIALLY WITHIN OR OUTSIDE HL7?

• Several recent examples of projects that successfully built a community outside of HL7, then brought into HL7 around the 1.0 specification stage
  – SMART
  – CDS Hooks

• Potentially a model for future initiatives
HOW CAN YOU ENGAGE?

- HL7 Work Groups
  - Clinical Decision Support, Clinical Genomics, etc.
- HL7 FHIR Connect-a-Thons
- HL7 ballots – could coordinate for block vote
- Public comment to HITAC Interoperability Standards Priorities Task Force
- Coordination across healthcare organizations to prioritize FHIR-related needs for EHR vendors
- Coordinated definition of FHIR profiles based on implementation needs
THANK YOU!

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