



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

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KENSAKU KAWAMOTO, MD, PHD, MHS

ASSOCIATE CHIEF MEDICAL INFORMATION OFFICER

VICE CHAIR OF CLINICAL INFORMATICS, DEPT. OF BIOMEDICAL INFORMATICS

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!

Kensaku Kawamoto, MD, PhD, MHS

Associate Chief Medical Information Officer

Associate Professor and Vice Chair for Clinical Informatics, Dept. of
Biomedical Informatics

University of Utah

kensaku.kawamoto@utah.edu