Overview

• What’s cookin’
• What’s hot
• Quo vadis?
• What some of my friends tell me
“Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away.”

Antoine de Saint-Exupery
Fast Healthcare Interoperability Resources
The principles underlying FHIR development are meant to address the challenges learned in 30 years of standards development.
FHIR enables an evolutionary development path with other HL7 standards*

* Many are embedded in Federal regulation
FHIR focuses on implementation* and implementers
FHIR development is global*

FHIR development workshops in UK, Canada, Australia, Netherlands, Argentina, and Japan...as of Monday.
FHIR is Free

* The FHIR name and logo are trademarked, but the specification is licensed without restriction or royalty.
“You can accomplish anything in life, if you don’t mind who gets the credit.”

Harry Truman
HL7 FHIR: Future of Interoperability

Source: KLAS March 2016
A gentle word of caution about FHIR

Current Status

The Gartner Hype Cycle

Argonaut Project

2017
JASON Task Force & the Argonauts
Argonaut Project Origins

* JASON Task Force recommendations on market-based interoperability governance and coordination, and call to action on “public APIs”

* Market experience with MU 2 and associated US certification
The Argonaut Project

• Leverages the work of other initiatives such as the S&I Framework, SMART, and HSPC

• Accelerates the maturation of FHIR for the industry

• Open to all participants
The Argonaut Project is NOT

• An organization or entity
• Competitive with other existing initiatives
• Proprietary
Argonaut Phase I

* Accelerated the development of the FHIR specification for the balloting of the Draft Standard for Trial Use (DSTU) Release 2

* Supported the creation of a community of FHIR implementers
“If I had asked my customers what they wanted, they would have asked for a faster horse.”

Henry Ford
Argonaut Phase II

* Supported the development of resources for a FHIR implementation registry, FHIR conformance testing, and a robust source of stable resources and artifacts.

* Completed the development of reliable specifications for security and authorization
Argonaut Phase II
Implementation Program

* Formalized implementation programs
* Developed focused sprint initiatives
* Implemented testing tooling & artifacts
* Published test results for internal and external audiences
Welcome to the Argonaut Project Implementation & Testing Wiki

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<tr>
<th>Sprint</th>
<th>Dates</th>
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<tr>
<td>Sprint 1: Patient, Allergies, Problems</td>
<td>5/25 - 6/14</td>
<td>Tuesday 5/25 3-4PM ET</td>
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<td>Sprint 2: Vital signs, Labs, Smoking, Care Team</td>
<td>6/14 - 7/5</td>
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<td>Sprint 3: Medications, Immunizations, Goals, UDI</td>
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For discussion and collaboration on either Argonaut-focused implementation activities or Argonaut-focused FHIR development please use the Argonaut Project Google Group
Argonaut Implementation Program

To date, there are over 150 healthcare systems, vendor corporations, academic institutions, government agencies, pharmaceutical companies, payer organizations, and independent developers committed to supporting and implementing solutions based upon FHIR specifications.
Collaboration
FDA has enabled an ecosystem with 15,000 open APIs that support FHIR
CDC is collaborating with the FHIR application developers for public health reporting.
The mission of the newly announced FHIR Foundation is the support of implementers and implementation.
The international *FHIR Maturity Model* was envisioned to ensure developers of the value and stability of FHIR.
Government regulation only codifies standards. Standards bring value when they are adopted in the marketplace.
Partners in Interoperability
The HL7 Partners in Interoperability is a coalition of various stakeholders, including Medical Societies, BioPharma, and the Payer community, paving a path toward interoperability.
More than two hundred clinical organizations, IT developers, government agencies and healthcare systems worldwide are now committed to developing FHIR applications.
CMS is coordinating a diverse ecosystem of developers for creation of the Blue Button on FHIR
FHIR Applications Roundtable

* Showcase for FHIR Apps & Development tools
* Platform for best practices & collaboration
* 28 Apps & tools in demonstration environment
* Harvard Medical School, July 27-28
Payer Summit
Implementing FHIR

July 11-12, 2016
AHIP Innovation Center
Chicago
CHIME
Standard of Standards
Initiative
HL7 International Genomics Summits

October 27-28, 2016
Washington
HL7 FHIR Half-day Tutorial for CMIOs & Medical Informatics Professionals with a focus on implementation
Sunday, November 13
International BioPharma
Leveraging FHIR

Joint meeting with FDA TBD
The only standard that never changes is the standard you never use.
Normative version of FHIR, backward compatible with Release 2.1, is planned for the Spring of 2017.
Looking Ahead
CDA Enhancement
CDA Enhancement
US ONC Funded

* Implementation-a-thon
  Second event to be held September 14-15
* Companion Guide
  For ballot with September cycle
* Rendering Tool Challenge
  Results announced at September Plenary
* Platform for C-CDA Examples
  RFP released in August
* Scorecard Development
A standard is not used because we created it. It is a standard because people use it.
Change Management

“You miss 100 percent of the shots you never take.” - Wayne Gretzky
Some undocumented & unattributable thoughts
According to a Fruit Company in Cupertino
I can say that Apple announced the use of CDA in the Healthkit during the World Wide Developers Conference two weeks ago.
Health Records
Overview

Represent different types of patient visits
Support international HL-7 CDA standard
Available through patient health care portals
Imported via Safari, Mail, and your apps.
Industry Consolidation is a *fait accompli*

It’s a lot like baseball...you win some, you lose some, and some are rained out.
HL7 FHIR Panel

June 23
9:30 - 10:30
Thank you

JUST COUGH FOR OLD TIME'S SAKE.

cjaffe@hl7.org