FHTR Implementation and Transition Planning

ONC Annual Meeting
November 30, 2018
Today’s Panel

• Janet Campbell – Vice President, R&D Relations, Epic
• Russell Leftwich, MD – Senior Clinical Advisor, Interoperability, InterSystems
• Hans Buitendijk – Director, Interoperability Strategy, Cerner Corporation
• Moderator: Avinash Shanbhag – Deputy Director, Office of Technology, ONC
FHIR Is Hot

• Approximately 32% of health IT developers have used “FHIR Release 2” to certify to § 170.315(g)(8) (“Application access—data category request”).

• Nearly 51% of health IT developers appear to be using a version of FHIR combined with OAuth 2.0.

• The estimated market share of the health IT developers that make up the “the “32%” is large.
  » About 82% of hospitals and 64% of clinicians use these developers’ certified products.
Are we there yet?

- “FHIR and the Gartner Hype Cycle” posted by Wes Rishel on Grahame Grieve’s FHIR blog site

- General Thesis of the Blog:
  - FHIR has lots of “adoption” but may not be in the “Plateau of Productivity”
Epic’s plans, like a house on FHIR

Routine maintenance

Add a new wing or two

Let’s get creative
SMART Enabled HealthShare Information Exchange
Lessons Learned: FHIR in HealthShare

• Conversion of HL7 v2 and CDA to/from FHIR
  • Expose **Unified Care Record** – aggregated/deduplicated, as FHIR
• SMART on FHIR API - FHIR Sandbox built on HealthShare
• Much faster response to FHIR data requests from API
• Both FHIR DSTU2 and FHIR STU3 API
• Support for FHIR based IHE exchange profiles
• Support for Care Plan data
• Innovators can add cloud based **IRIS for Health** data platform
  • Create additional FHIR servers including write-back ability & FHIR endpoints
  • Develop FHIR apps and FHIR based CDS
  • Utilize transforms to/from HL7 v2 and CDA to FHIR
• Coming attractions ... FHIR R4, bulk data – pop health, write-back API
Hans Buitendijk – Cerner Corporation

Director, Interoperability Strategy
Where are we on the FHIR path?

Growing the innovation pipeline

- 2,600 apps registered in sandbox
- 17 apps in validation
- 24 in app gallery
- 40+ in production

App Gallery: Validated provider focused, FHIR-based SMART Apps
50%+ of Clients up and running

We Support In Production:
- FHIR DSTU2 / Argonaut V1: R: 22  R/W: 8  W: 1
- FHIR STU3 / R4 / US Core Roadmap
- CDS Hooks Roadmap

Developer ecosystem

Open collaboration → Create application → Connect → Ignite APIs for Millennium → Connect

Install → Discover and install

https://code.cerner.com/
Experiences & Challenges

• Participation in code creates confidence!

• Provider Focused Apps
  » Developer
    – Workflow Integration
    – Various other
  » Clients
    – The first app

• Consumer Focused Apps
  » Availability
  » Maturity Concerns
Thank you!