Advancing API and FHIR® in Health IT: Key Industry Efforts to Spread API and FHIR® Adoption Through a Collaborative Approach

January 28, 2020

The Office of the National Coordinator for Health Information Technology

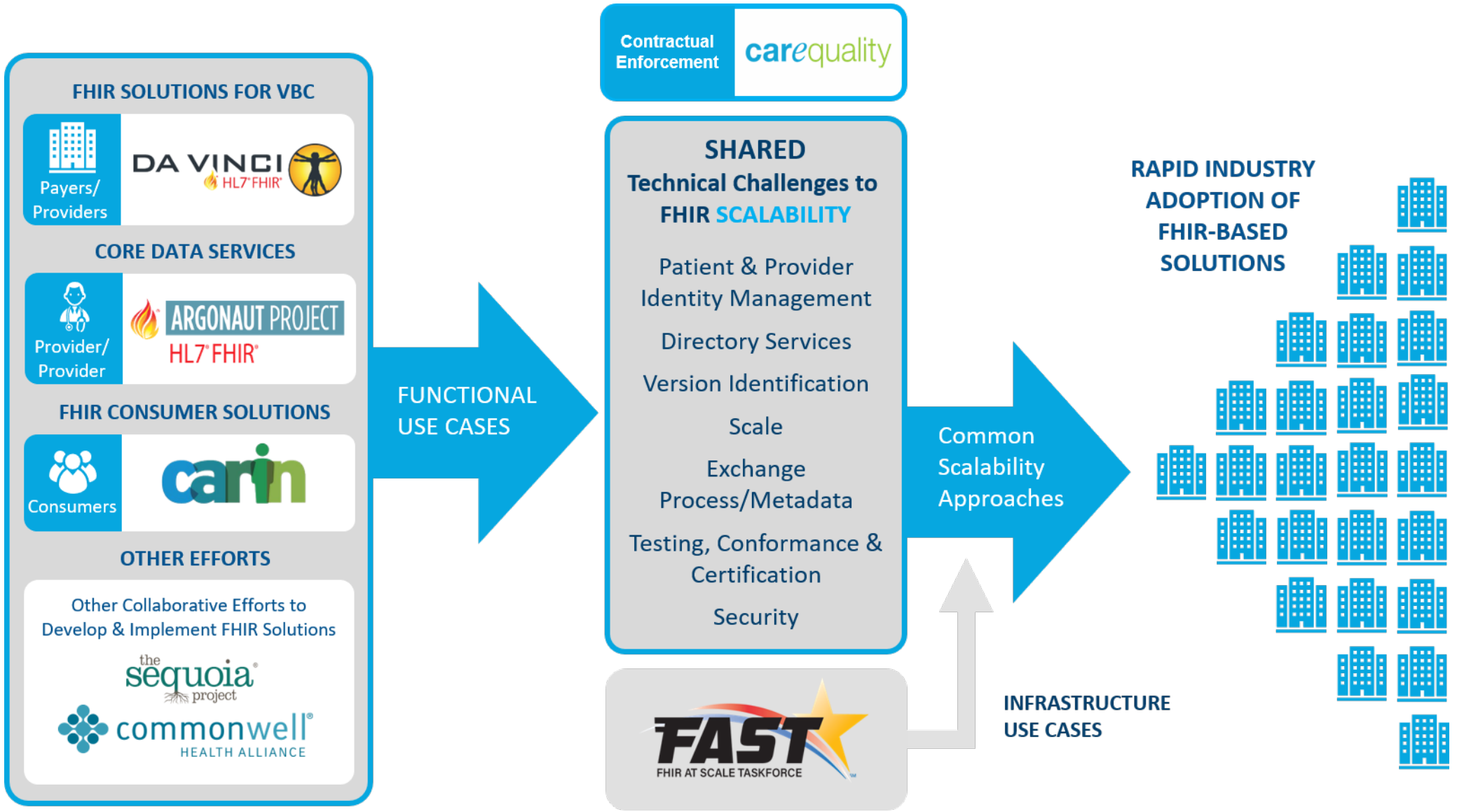
Today's Session & Goals

- *Collaborative efforts are coming together to leverage the power of APIs and the HL7 FHIR standard, taking the industry one step closer to improved digital data access and exchange*
- *Carequality, Argonaut, and Da Vinci individually are working towards proposing approaches to address the future of digital data access and exchange in specific domains towards goals such as reducing provider and administrative burden with health IT and empowering the patient*
- *Meanwhile, the FAST Initiative is working to confront the infrastructural challenges holding back the deployment and adoption of these individual solutions at scale*

SESSION GOALS

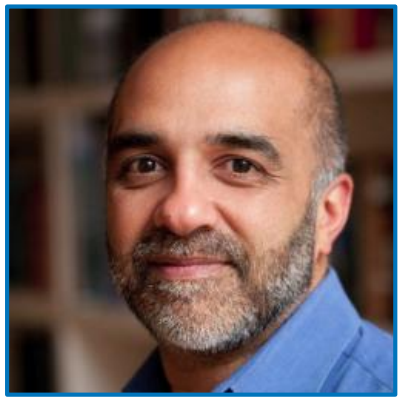
- *To raise industry awareness on these industry efforts scope and goals*
- *Understand how these collaboratives complement each other and what sets them apart*
- *Highlight how working collaboratively provides value to reach a common goal*

Collaborative Efforts Towards FHIR Adoption



Today's Presenters

Jocelyn Keegan
Moderator
Da Vinci
Program Manager
Point of Care
Partners

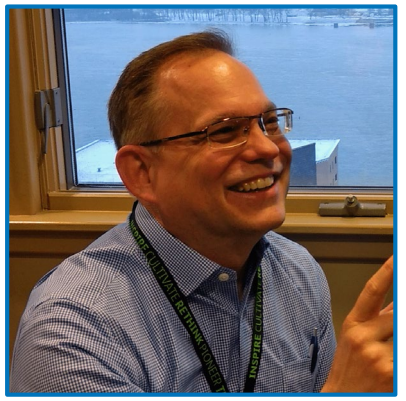


Micky Tripathi
PM Argonaut
Project
President & CEO
of MAeHC

Dave Cassel
Executive Director,
Carequality

Viet Nguyen, MD
Da Vinci
Technical Director
Stratametrics

Paul Oates
FAST Initiative
Chief Architect
Cigna

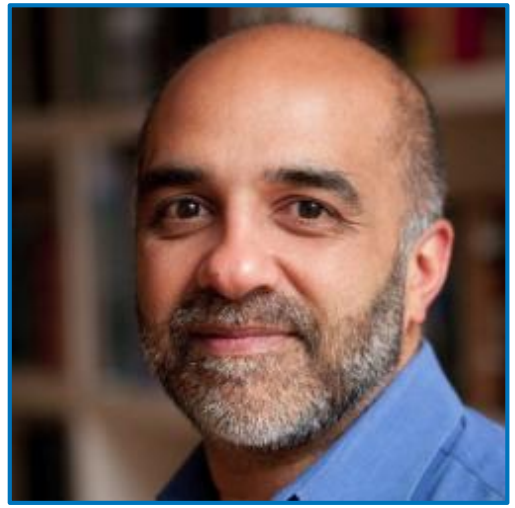


Patrick Murta
FAST Initiative
Chief Architect
Humana

Who are the collaborative efforts and what are their goals?

The Argonaut Project

- FHIR-based APIs are an important addition to the portfolio of interoperability mechanisms available to healthcare participants
- Argonaut Project is a solely private sector initiative created in 2014 to accelerate the maturity and adoption of RESTful APIs in healthcare
- We are a collaboration of technology vendors and provider organizations focused on provider-provider (B2B) and provider-patient (B2C) use cases
- Success of organic market-driven collaborations has sparked the FHIR Accelerator Program including Da Vinci, CARIN, and others



Micky Tripathi
President & CEO of MAeHC
PM Argonaut Project

Carequality

- Carequality operationalizes exchange at a nationwide, multi-network scale
- With respect to the other initiatives on the panel, we're the last link in the chain, and build on what the others have done
- Carequality holds contracts that make organizations accountable for following the rules, including both compliance with specs and ecosystem requirements like those developed by *FAST*
- We provide operational elements, such as an organization-level healthcare directory, and certificate services
- We support a governance process with broad stakeholder input for maintaining and updating the operational framework

Dave Cassel
Executive Director,
Carequality

HL7 Da Vinci Project

- Provider, payer, vendor collaboration defining specific implementation guides to support value-based care
- Supported by over 45 organizations; fund SMEs, provide in kind staff/resources and commit to implement in production
- Leverages HL7 FHIR across 14+ use cases; current progress ranges from proposed (2) to draft standards (12)
- Use cases span:
  - Quality Measures Data Exchange
  - Streamlining Prior Authorization
  - Clinical Data Exchange between Providers and Payer
  - Standards to Identify Shared Patients between Partners
- 2020 Focus - Mature Existing Guides, Artifacts, and Support Implementations

Viet Nguyen, MD
Da Vinci
Technical Director
Stratametrics

FHIR at Scale Taskforce (*FAST*)

- A highly representative group of motivated healthcare industry stakeholders and health information technology experts
- *FAST* is about scaling FHIR: identify HL7® Fast Healthcare Interoperability Resources (FHIR®) scalability gaps and possible solutions
- Foster industry agreement that we need shared solutions to key scalability challenges: directory services, identity, security, metadata, testing & certification
- *FAST* was formed to fill an industry acknowledged gap: address challenges that rise as other groups respond to FHIR opportunities and the NPRM, trying to use FHIR across stakeholders
- *FAST* model fosters collaboration and industry engagement: *FAST* model next slide

Paul Oates
FAST Initiative
Chief Architect
Cigna

Patrick Murta
FAST Initiative
Chief Architect
Humana

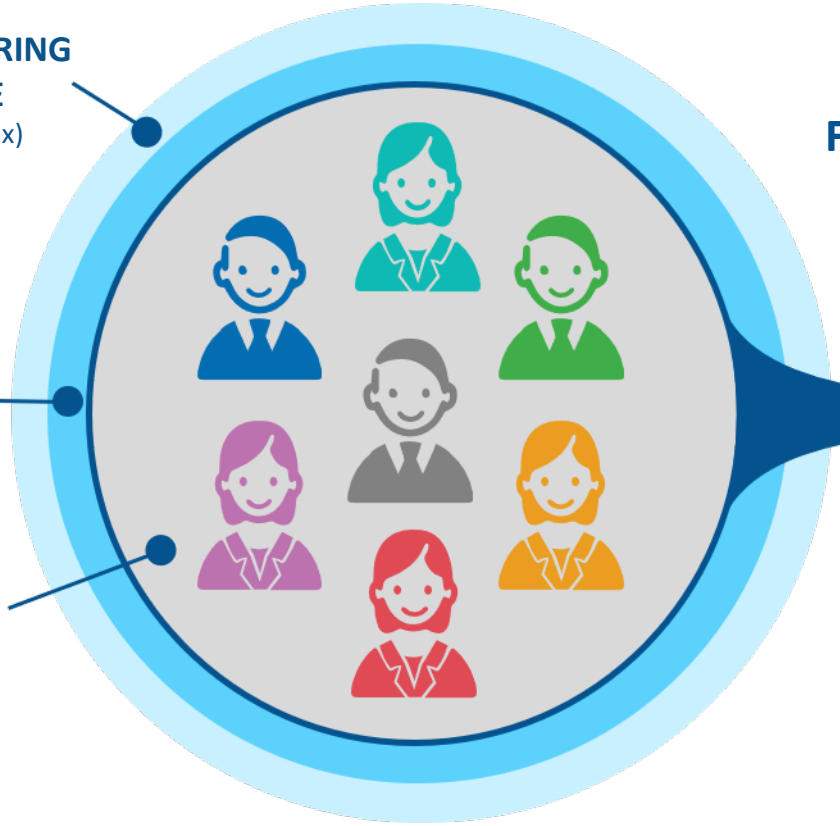
FAST Organization & Community Engagement

EXECUTIVE STEERING COMMITTEE
(public-private mix)

COORDINATING COMMITTEE
(public-private mix)

SEVEN TIGER TEAMS

- Ecosystem Use Cases
- Identity
- Security
- Directory, Versions and Scale
- Exchange Process
- Certification and Testing
- Pilots



FEEDBACK

UPDATES

TECHNICAL LEARNING COMMUNITY (TLC)

INFORMATION SHARING WITH TLC THROUGH:

- Website
- Periodic webinars
- Newsletters
- TLC Meetings
- LinkedIn Group

TIGER TEAMS IDENTIFY:

- Ecosystem Use Cases
- Technical Barriers
- Regulatory and Policy Barriers
- Core Capabilities
- Gap Analysis of Industry Models and Functional Use Cases

Why are we here, speaking together today?

Working Together for Improved Digital Data Access and Exchange to Reduce Burden And Advance Patient Experience

Argonaut

Demand more from healthcare delivery participants. Push payers and providers to adopt modern internet technologies and business conventions, such as transparency and customer-focused service levels. Push EHR vendors to adopt more FHIR-based capabilities than are required by regulation.

Da Vinci

Identify a use case that is important to your organization and get involved. Implement and give feedback, participate in a Connectathon to evolve a draft guide, or help define a new use case by joining a call.

Carequality

Help find the “yes, if” solutions for interoperability. Where there are real operational challenges, particularly challenges in establishing the trust needed for exchange at scale to be adopted, we can work together to articulate and enforce rules to address these gaps in trust.

FHIR at Scale Taskforce (*FAST*)

Help address the barriers that hinder FHIR API adoption at scale. Where there is a vision to FHIR adoption across stakeholders, working together as an industry will help achieve consensus and adopt health IT consistently, accelerating FHIR implementation at scale.

The Office of the National Coordinator for Health Information Technology

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