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 and how you can get involved*

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Today's Presenters

Chuck Jaffe
CEO, Health Level Seven
Professor of Medicine, UCSD

Jocelyn Keegan
Program Manager,
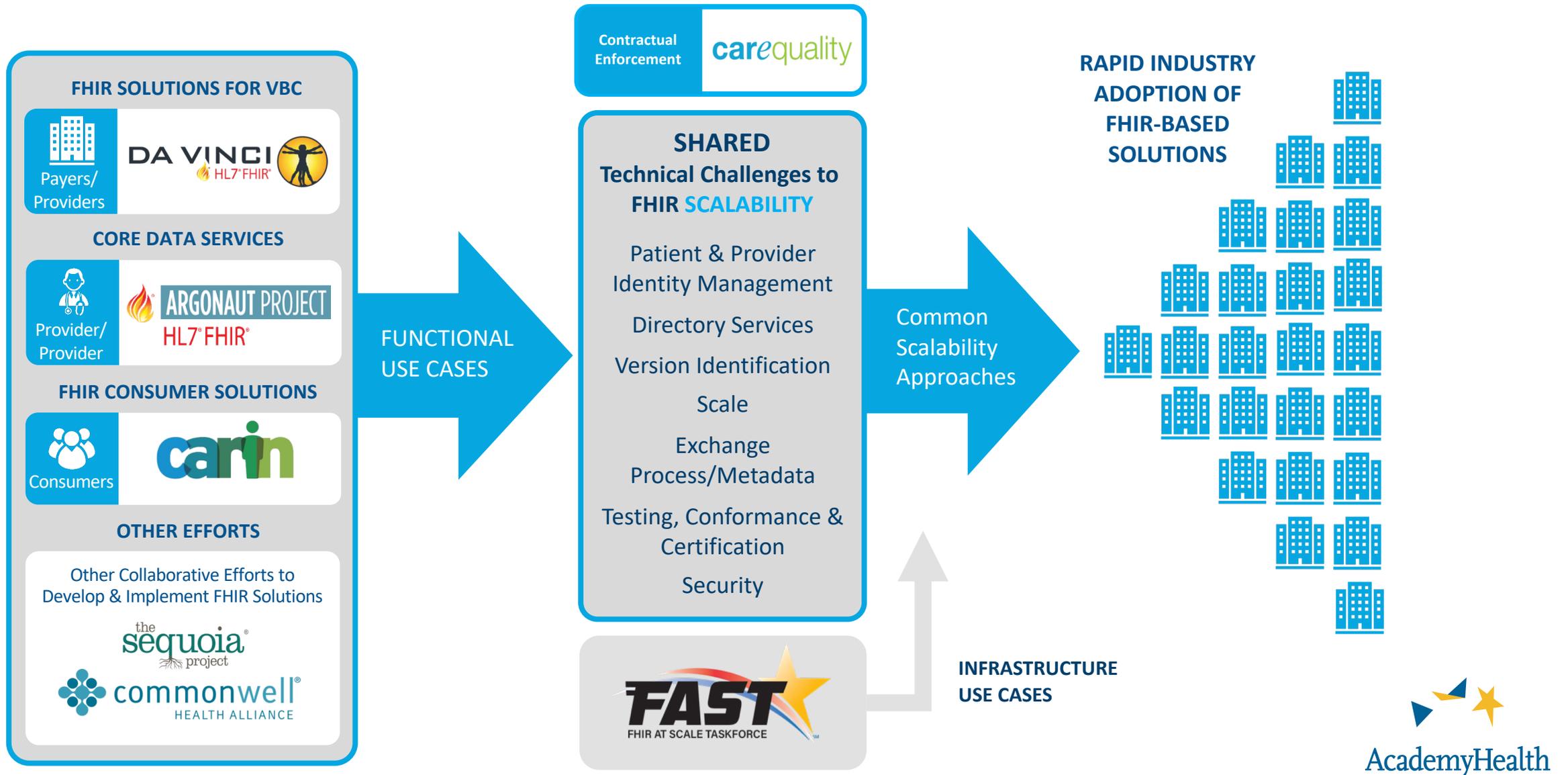Da Vinci Project
Senior Consultant,
Point-of-Care Partners

Dave Cassel
Executive Director,
Carequality

Patrick Murta
FAST Initiative
Chief Architect,
Humana

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Collaborative Efforts Towards HL7 FHIR Adoption

Argonaut Project

The Argonaut Project

- FHIR-based APIs are an important addition to the portfolio of interoperability mechanisms available to healthcare participants

- Argonaut Project is a private sector initiative created in 2014 to accelerate the maturity and adoption of APIs in healthcare

- Argonaut is 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 HL7 *FHIR Accelerator Program* including Da Vinci, CARIN, CodeX (Oncology) and Gravity (SDoH)
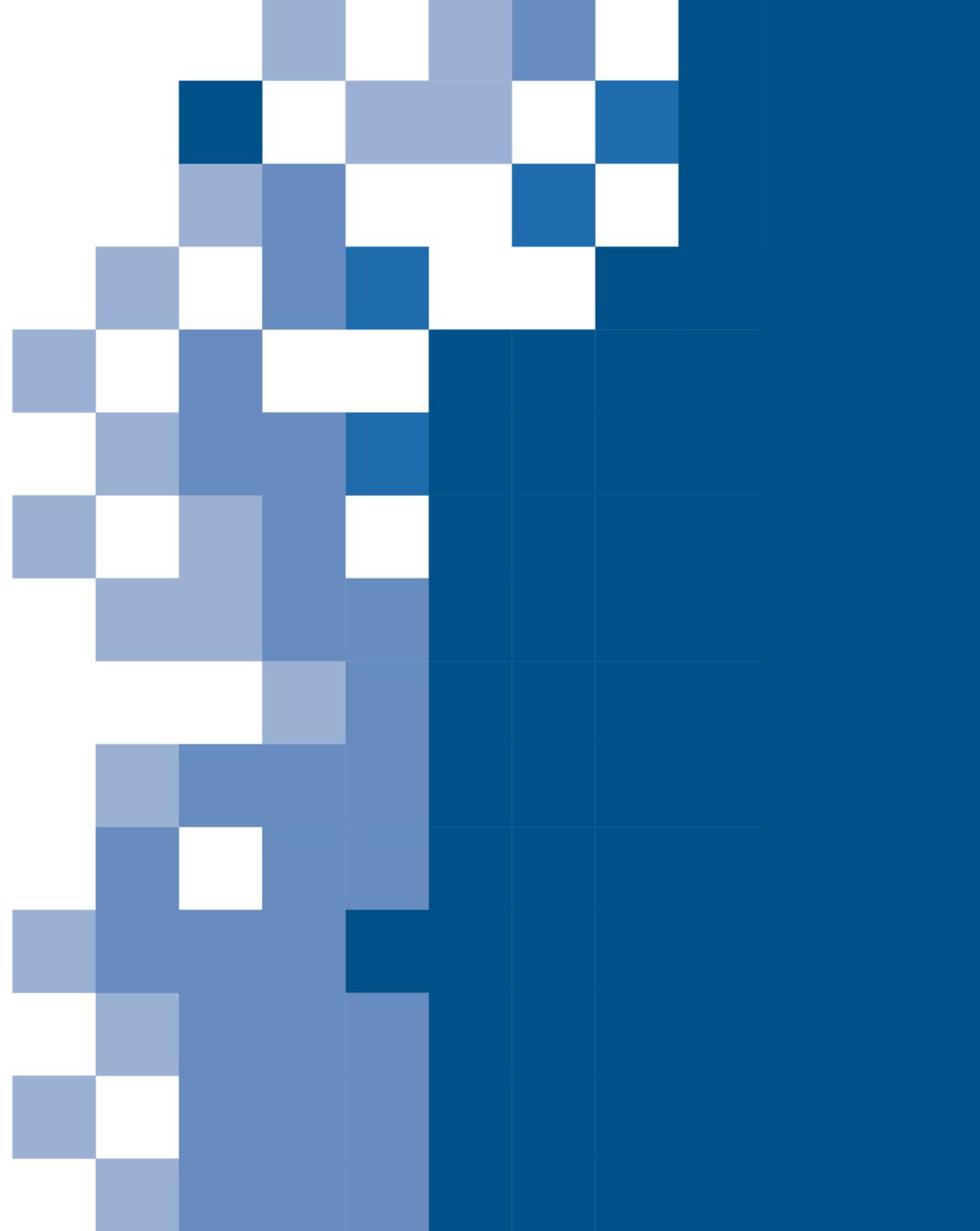

Chuck Jaffe
CEO, Health Level Seven
Professor of Medicine, UCSD

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The HL7 FHIR Accelerator Program
has helped to promote the collaboration
of US public sector agencies in
FHIR implementation.

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

Jocelyn Keegan
Program Manager, Da Vinci Project
Senior Consultant, Point-of-Care Partners

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Project Challenge

To ensure the success of the industry's **shift to Value Based Care**
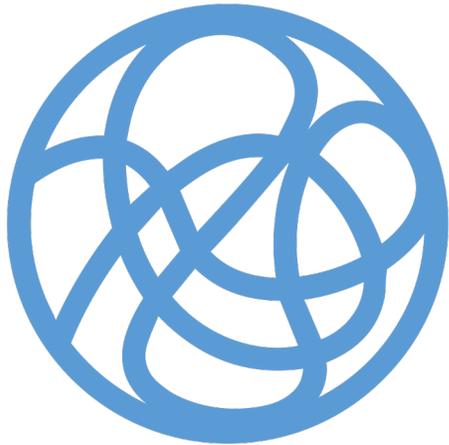
**Pre-Collaboration /
Controlled Chaos:**

Develop *rapid multi-stakeholder* process to identify, exercise and implement initial use cases.

Collaboration:

Minimize the development and deployment of *unique solutions. Promote* industry wide *standards* and adoption.

Success Measures:

Use of FHIR®, implementation guides and pilot projects.

Membership by Primary Industry Role

Providers

AMA MEDICAL GROUP · CEDARS-SINAI · MultiCare Connected Care · OHSU · Providence St.Joseph Health

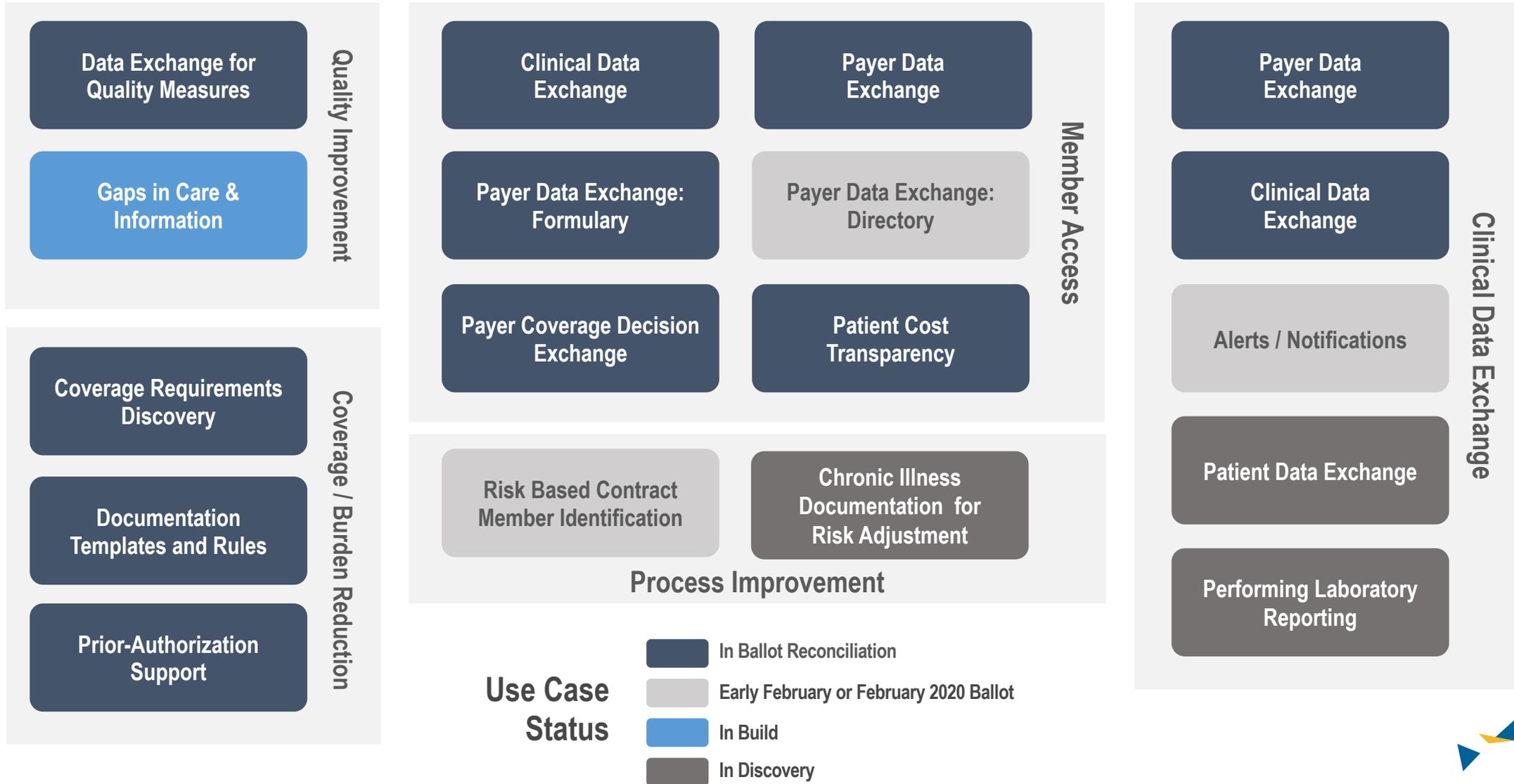RUSH · Sutter Health · Texas Health Resources · UNC HEALTH CARE · Weill Cornell Medicine

Payers

Anthem · BlueCross BlueShield of Alabama · BlueCross BlueShield Association · Blue Cross of Idaho · Blue Cross Blue Shield Blue Care Network of Michigan · of Tennessee · CAMBIA HEALTH SOLUTIONS · CMS · Cigna

CVS Health · CENTENE Corporation · GUIDEWELL · HCSC Health Care Service Corporation · Humana · Independence · UnitedHealthcare

Vendors

Allscripts · athenahealth · casenet · Cerner · cognosante · edifecs · Epic

healow | Insights · HealthLX · infor · InterSystems Health | Business | Government · juxly · OPTUM · surescripts · zeomega

Partners

HL7 International · HiMSS · NCQA Measuring quality. Improving health care.

Deployment

Availity · MiHIN MICHIGAN HEALTH INFORMATION NETWORK SHARED SERVICES

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For current membership: http://www.hl7.org/about/davinci/members.cfm

Use Case Focus Areas

Quality Improvement
- Data Exchange for Quality Measures
- Gaps in Care & Information

Coverage / Burden Reduction
- Coverage Requirements Discovery
- Documentation Templates and Rules
- Prior-Authorization Support

Member Access
- Clinical Data Exchange
- Payer Data Exchange
- Payer Data Exchange: Formulary
- Payer Data Exchange: Directory
- Payer Coverage Decision Exchange
- Patient Cost Transparency

Process Improvement
- Risk Based Contract Member Identification
- Chronic Illness Documentation for Risk Adjustment

Clinical Data Exchange
- Payer Data Exchange
- Clinical Data Exchange
- Alerts / Notifications
- Patient Data Exchange
- Performing Laboratory Reporting

Use Case Status
- In Ballot Reconciliation
- Early February or February 2020 Ballot
- In Build
- In Discovery

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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

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Carequality is publishing a comprehensive Implementation Guide with detailed specifications for how FHIR-based exchange will be accomplished under the Carequality Framework.

GOALS

1. Create (non-FHIR) technical specs for an "implement once, connect universally" ecosystem

2. Enforce these specs, and related policies, through the Carequality Framework

Our work is complementary to, and relies on, the industry's efforts aimed at producing actual FHIR specs.

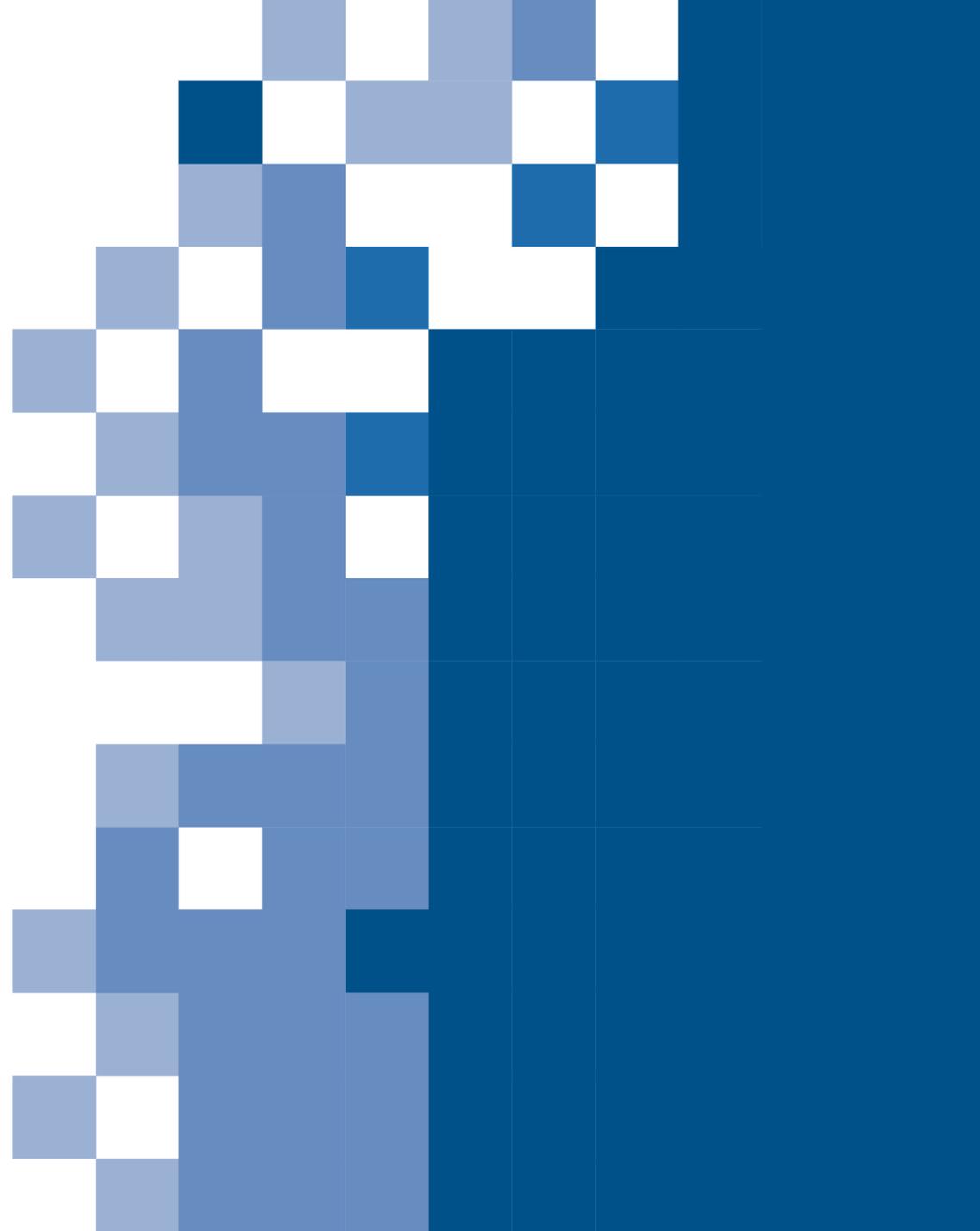## CONNECTATHONS

3 FHIR Connectathons to date

1 planned for the HL7 meeting in May in San Antonio
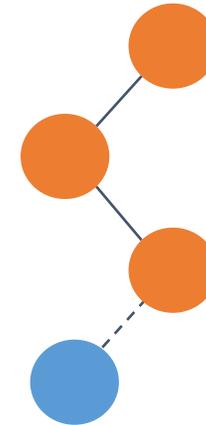
We are 70 – 75% through our work and aim to complete the Implementation Guide by **Q2/Q3 of 2020.**

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What is *FAST*?

The FHIR at Scale Taskforce (FAST), convened by the Office of the National Coordinator for Health IT (ONC), brings together a highly representative group of motivated healthcare industry stakeholders and health information technology experts.

The group is set to identify HL7® Fast Healthcare Interoperability Resources (FHIR®) scalability gaps and possible solutions, analysis that will address current barriers and will accelerate FHIR adoption at scale.

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, trying to use FHIR across stakeholders

- *FAST* model fosters collaboration, industry engagement and an infrastructural approach to addressing FHIR scalability challenges

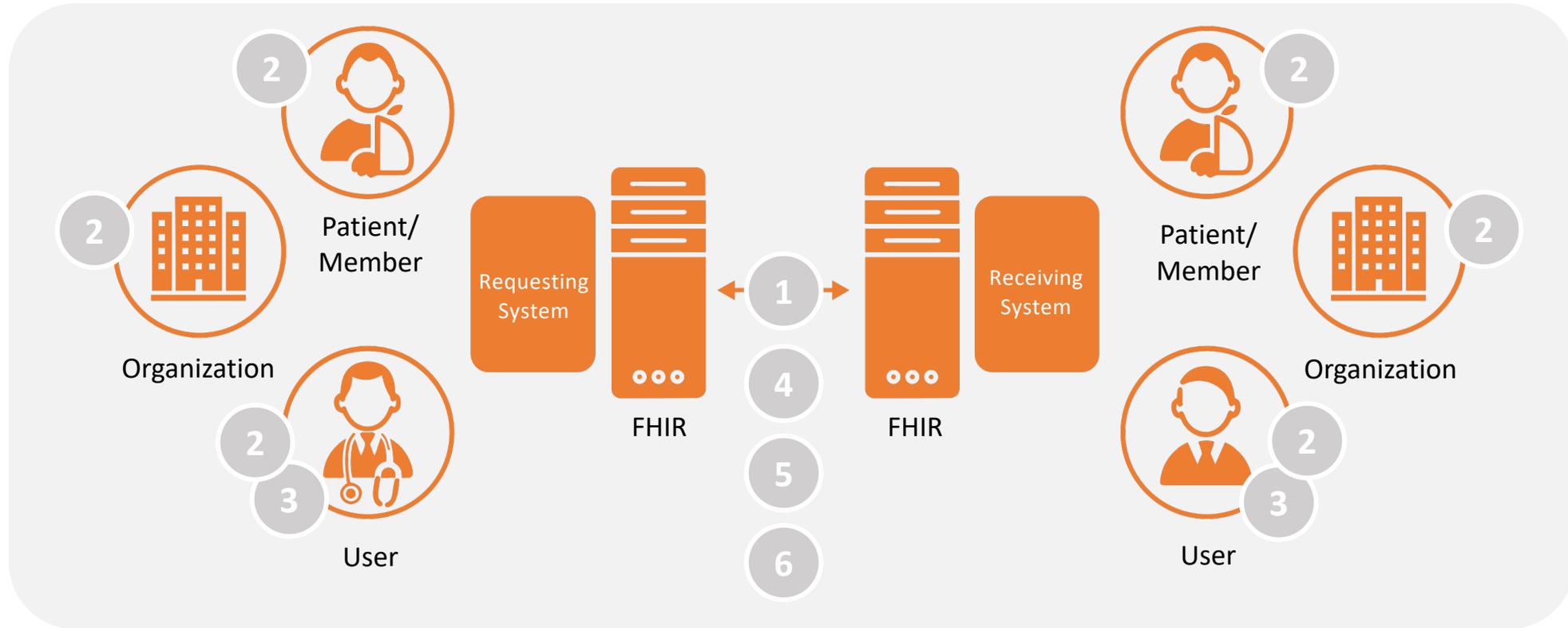
Patrick Murta
FAST Initiative
Chief Architect
Humana

Lack of Consistent Infrastructure Impacts Flow

Well-Planned Infrastructure Creates Efficiency

THIS WAY

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Known Technical Barriers

1 Directory Services 2 Identity 3 Security

4 Testing, Conformance, & Certification 5 Versioning 6 Scaling

Get Involved!

Argonaut	Da Vinci	Carequality	*FAST*
Learn more about Argonaut	Join confluence page and sign up for the listserv	Get involved in Carequality	For more information, visit the *FAST* Project Page
Project management: Micky Tripathi (mtripathi@maehc.org), Jennifer Monahan (jmonahan@maehc.org)	Da Vinci Program Manager: Jocelyn Keegan, Point of Care Partners jocelyn.keegan@pocp.com Da Vinci Technical Lead: Dr. Viet Nguyen, Stratametrics LLC vietnguyen@stratametrics.com	Contact admin@carequality.org to learn more about how to get involved and ad hoc workgroups	Please contact Stephen Konya at Stephen.Konya@hhs.gov & Diana Ciricean at Diana.Ciricean@hhs.gov with questions

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