HL7 FAST: Update on Identity

May 2022
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Professional Associations, such as HL7, which bring together competing entities are subject to strict scrutiny under applicable antitrust laws.

HL7 recognizes that the antitrust laws were enacted to promote fairness in competition and, as such, supports laws against monopoly and restraints of trade and their enforcement.

Each individual participating in HL7 meetings and conferences, regardless of venue, is responsible for knowing the contents of and adhering to the HL7 Antitrust Policy as stated in §05.01 of the Governance and Operations Manual (GOM).
Agenda

• HL7 FAST Accelerator Overview
• FAST Transition to an HL7 FHIR Accelerator
• Update on FAST Identity Work
• Getting involved in FAST Work
• Questions
HL7 FAST
Accelerator Overview
What is the Problem?

**TODAY - Exchange**
Exchange characterized by point-to-point interfaces
Adoption trajectory is slow, expensive, and fragmented

**FUTURE - Interoperability**
A consistent infrastructure approach to API implementation
Consensus on implementation guides for key enablers, such as directory, security, patient matching, exchange and testing

**DESIRED RESULT:**
A national interoperability approach that enables consistent data exchange via API. We have this for administrative transactions (X12, clearinghouses, WEDI) and pharmacy transactions (NCPDP, Surescripts). We do not have this for HL7-FHIR.
What is FAST?

The FHIR at Scale Taskforce (FAST) is a representative community of motivated healthcare industry stakeholders and health information technology experts who have identified HL7® Fast Healthcare Interoperability Resources (FHIR®) scalability gaps and are actively working on solutions to address current barriers to enable scalable data exchange using FHIR APIs.

Oct 2017 – Payer + Provider (P2) FHIR Taskforce Established
Originally focused on Payer/Provider collaboration

2017

ONC FHIR at Scale Taskforce (FAST)
Purpose: Identify ecosystem barriers, propose solutions, and develop standards to implement solutions

2018

Analysis, Barrier identification, Solution Concepts, Gather Industry Feedback

2019

Implementation Guide Dev Begins

2020

Transition to FHIR Accelerator

2021

2022 and the Future

Continues collaborative work to develop FAST solutions (IGs) under the HL7 FHIR Accelerator Program

All content is available on the FAST Project Page
Conceptual Integrated Architecture

Security (Authenticate/Authorize)
- UDAP Trusted Dynamic Client Registration
- UDAP Tiered OAuth User Authentication
- UDAP JWT-Based Client Authentication
- UDAP JWT-Based Authorization Assertions

Exchange Routing
- Direct Connect or via Intermediaries

Intermediaries

Identity
- Collaborative/Mediated Patient Matching
- Collaborative/Mediated Identity Management

National Directory
- Endpoints
- Profiles
- Versioning
- Trust
- Conformance

CONFORMANCE & CERTIFICATION (Testing & Certification Program)

PILOTS (FAST Capability Vetting with Existing HL7 Accelerators)
FAST FHIR Accelerator
Moving Forward - FAST as FHIR Accelerator

HL7® FHIR® ACCELERATOR / COMMUNITY

- Payers/Providers
- Provider/Provider
- Public Health
- Social Determinants of Health
- Cancer Care and Research
- Consumers
- CodeX
- Helios
- Other FHIR Initiatives

Functional Use Cases

Common Scalability Approaches & Enablers

ARCHITECTURE

- Sandbox, Testing, Feedback
- Pilots & Certification
- HL7 Working Groups
- TBD

STAKEHOLDERS
- Non-Accelerator/Use Case Specific Initiatives
- SDOs
- IHE
- Frameworks/Networks/HIE
- Government Participation/Contributions (ONC, CMS, CDC, VA, DoD, etc.)

ADOPION AND FEEDBACK

- HL7 Governance Structure
- And More…

10
FAST Founding Members

- AEGIS
- Amazon
- Anthem
- Avaneer
- Blue Cross Blue Shield Association (BCBSA)
- Centers for Medicare & Medicaid Services (CMS)
- Evernorth/ Cigna
- Google
- Health Care Service Corporation (HCSC)
- Health Level Seven (HL7)
- Humana
- Kaiser Permanente
- LexisNexis
- Optum
- Providence
- Smile CDR
- Surescripts
- The Office of the National Coordinator for Health Information Technology (ONC)
- UC Health
- Veterans Administration (VA)
FAST Identity Management
Overview and Status - Interoperable Digital Identity & Patient Matching

**BARRIER**
The industry currently employs a range of patient matching and identity management processes with inconsistencies and limited scalability as volume and the number of participants increase.

**SOLUTION**
Establish a set of patient matching and identity management patterns and best practices that the industry can adopt to reduce the variations that exist today and provide a bridge to new approaches in the future.

**IN SCOPE**
Patient matching during payer/provider interactions: 
*Mediated Patient Matching*
Patient-directed workflows focusing on identity management: 
*Networked Identity Management*

**OUT OF SCOPE**
Patient as a match requester or responder, contractual arrangements. (Security and directory considerations are addressed by other FAST solutions)

**STATUS**
May 2022 STU Ballot Cycle

**OPEN ITEMS**
Ballot reconciliation
Continue to test proposed solutions during Connectathons

**CURRENT SOLUTION**
Interoperable Digital Identity and Patient Matching Implementation Guide (CI Build)
We prioritized patient directed and payer/provider interactions focus areas.
Digital Identity and Patient Matching

- Guidance on Identity Assurance
- Profiling the $match operation and match guidance more broadly
- Digital Identity Requirements
• Overall result: voting completed, ballot passed
• Many comments to be reconciled
• Some typos, others where clarification is needed
• Successful cross-testing of $match
• Additional use case context requested
• Suggestions for fine tuning match input weighting
• Next steps: July CMS connectathon includes new testing scenarios with comprehensive infrastructure testing
  – Directory + Security
  – Identity + Security
  – Security + Intermediary/Exchange
Getting Involved in FAST
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Want to learn more about becoming a member of the HL7 FAST FHIR Accelerator?

Contact fast@hl7.org

CONTINUE THE CONVERSATION!

Join the Technical Learning Community to stay up to date – receive updates about FAST presentations & events, provide additional input and follow our progress.

VISIT FAST PROJECT PAGE
JOIN FAST LISTSERV
JOIN THE LINKEDIN GROUP

All content is available on the FAST Project Page
Questions
Thank you!

For more information on the FAST Initiative, visit the HL7 FAST Project Page and sign up for the FAST Listserv.

Have any further questions or want to discuss next steps?

Please contact fast@hl7.org