November 15, 2022

RCE Monthly Informational Call

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Agenda

- How will Exchange Work under TEFCA?
- What are TEFCA Components?
- Questions & Answers: Part 1
  - Questions received during or after October monthly call
- TEFCA Facilitated FHIR Implementation Guide and Pilot
- Future Use Cases
  - Payment and Health Care Operations
  - Public Health
- Questions & Answers: Part 2
  - Questions received during November monthly call
How will exchange work under TEFCA?

Participants
Subparticipants

Each QHIN connects Participants, which connect Subparticipants.

Qualified Health Information Networks (QHINs) connect directly to each other to facilitate nationwide interoperability.

RCE provides oversight and governing approach for QHINs.

ONC defines overall policy and certain governance requirements.
TEFCA Components

- Trusted Exchange Framework
- Common Agreement
- Standard Operating Procedures
- QHIN Technical Framework
- QHIN Onboarding
- Metrics
- Governing Approach
Welcome to your QHIN Application Web Forms!

Before you begin, please read the following instructions carefully.

**General Overview Instructions**

1. Before beginning either of the below forms, be sure that you have:
   a. Thoroughly reviewed the QHIN Onboarding & Designation SOP;
   b. Submitted your intent to apply and received a response from the RCE confirming receipt; AND
   c. Met with an RCE representative, during which time the RCE has provided an overview of how to complete these forms.
Applications Can Now be Submitted

Part I – Basic Applicant Information

Question 1.
Please complete the following fields.

SUBMISSION ID *

APPLICANT'S LEGAL NAME *
List all other names under which the applicant does business (Doing Business As, Alias, Trademarks, etc.)
Facilitated FHIR IG Feedback

- The RCE collected feedback on the draft TEFCA Facilitated FHIR Implementation Guide from October 7 through November 7.
- 17 Companies and Individuals submitted Feedback through the form and via emailed submissions
- 130 total comments were received
- Detailed feedback on certificate management was received that will have long ranging impact
- Many were able to give valuable insight into the technical aspects of authentication and authorization flows
- Details on the general requirements will give needed clarity.
Three-Year FHIR Roadmap for TEFCA

Planned Stages of FHIR Availability in TEFCA:

Stage 1: FHIR Content Support
- FHIR exchange possible within QHINs’ own networks
- IHE exchange of FHIR payloads between QHINs is possible with "out-of-band" coordination.

Stage 2: Network-Facilitated FHIR Exchange
- QHIN-facilitated FHIR-based exchange available as an option under TEFCA.

Stage 3: Network-Brokered FHIR Exchange
- QHIN-facilitated FHIR-based exchange required under TEFCA
- QHIN-brokered FHIR API exchange optionally available.

• ONC and the RCE have published the “FHIR® Roadmap for TEFCA Exchange – Version 1.”

• Evolving health IT landscape requires TEFCA to rapidly include approaches that support FHIR.
  » Approach leverages current state of FHIR today and allows TEFCA policy and technical infrastructure to accelerate FHIR adoption into the future.
  » In 2022, the RCE will launch working groups to initiate development of the use of FHIR for both QHIN-brokered and facilitated FHIR exchange.

Three-Year FHIR Roadmap for TEFCA
Defining Facilitated and Brokered Exchange

• Facilitated Exchange
  » Direct Point-to-Point FHIR exchange using QHIN policy and technical components:
    – FHIR end-point directory
    – Record location services
    – Security certificate infrastructure
    – Uniform contracting
    – Transparent rules-of-the-road

• Brokered Exchange
  » FHIR exchange via the QHINs using the same routing as the IHE transaction-based exchange
FHIR IG Scope: Facilitated Exchange

- Used Carequality guide as a starting point and added/removed functionality to align with Stage 2 road map and ONC requirements

- The draft TEFCA FHIR IG includes:
  - Facilitated exchange
  - Patient discovery
  - Record location
  - FHIR end point discovery
  - Dynamic Registration/UDAP
  - Guidance for security
Multi-Faceted Stakeholder Input Process

• Instead of forming a Work Group, engage input through open stakeholder feedback process and from pilot participants
• Organizations invited to participate in the pilot
  » Participated in Carequality FHIR Connectathon; and/or
  » Submitted letter of intent to apply to be a QHIN as of 11/7/2022; and/or
  » Participate as a health plan member of HL7 FAST
• Prerequisites
  » Familiarity with FHIR and current ability to support FHIR
  » Familiarity with Dynamic Registration and ability to support UDAP
  » Ability to participate in the pilot, including timelines and required development
  » Commitment to participate
  » Self-select their role in the pilot
• Certificate Authority: EMR Direct
Pilot Assumptions

Objective:
• To demonstrate readiness of FHIR exchange for operational deployment at scale
  » Road test the IG by a representative group of HINs, providers, payers and IAS providers
  » Demonstrate Client Dynamic Registration using UDAP

Approach
• Publish draft IG with 60-day stakeholder feedback period
• In parallel, provide for a short development window for “pilot” participants
• Facilitate connectathon style testing event involving test systems, dummy patient data for defined use case(s) / workflows, end to end
• Possibly facilitate additional connectathon style event open to all (under consideration)
• Publish final IG for adoption

NOTE:
• There will not be any designated QHINs for this process; pilot participants may or may not qualify as QHINs/QHIN Participants
• As a new HL7 standard, there may be a lag in deploying UDAP to FHIR architecture
Target Milestones

• Publish draft IG for stakeholder feedback – Oct 2022
• Publish revised IG for pilot purposes – Dec 2022
• Facilitate connectathon-style testing event(s) as pilot – Feb-Mar 2023
• Publish Final FHIR IG – May 2023
Future Use Cases: Payment and Health Care Operations
• Collect stakeholder input to inform the first version of the TEFCA Payment & Health Care Operations Exchange Purpose Implementation SOPs to be published by early 2023.

### Timeline

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<th>Date</th>
<th>Activity</th>
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<tr>
<td>Jul 2022 – Nov 2022</td>
<td>1:1 SME Interviews &amp; Small Group Meetings</td>
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<tr>
<td>Nov 2022</td>
<td>Refine Draft SOPs with ONC</td>
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<tr>
<td>Dec 2022</td>
<td>Publish SOPs for Stakeholder Comment</td>
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<tr>
<td>Early 2023</td>
<td>Publish SOPs for Production</td>
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Two SOPs: Use Case Definitions

• **Health Care Operations: Risk Management** means any of the following activities to the extent that the activities are related to the underlying health risk of an individual or population:
  » Population-based activities relating to improving health or reducing health care costs; contacting of health care providers and patients with information about treatment alternatives; and related functions that do not include treatment.

• **Payment: Risk Adjustment** means the following:
  » Risk adjusting amounts due based on individual and/or enrollee health status and demographic characteristics.
Future Use Cases: Public Health
Consensus Approach: RCE will work with Public Health subject matter experts to develop the Public Health Exchange SOP that outlines the various available exchange pathways using a QHIN and the common agreement. The PH SOP will point to Public Health Implementation Guides.

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<tr>
<td>Dec 2022 – Jan 2023</td>
<td>1:1 PH SME Interviews</td>
<td>Gather Information &amp; Input</td>
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<tr>
<td>Jan 2023 – Feb 2023</td>
<td>PH Stakeholder Feedback Meetings</td>
<td>Gather Feedback &amp; Develop PH SOP</td>
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<tr>
<td>Feb 2023</td>
<td>Publish PH SOP for Stakeholder Comment</td>
<td>Refine &amp; Make Final Edits</td>
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Educational Resources

Resources

- Common Agreement v. 1
- QHIN Technical Framework
- FHIR® Roadmap for TEFCA
- Standard Operating Procedures
- QHIN Application
- Communication Protocols
- User’s Guide
- Benefits of TEFCA by Stakeholder Factsheets
- FAQs

https://rce.sequoiaproject.org/tefca-and-rce-resources/

Additional Resources:
https://www.healthit.gov/tefca

Upcoming Monthly Informational Call:
Tuesday, January 17 | 12:00 – 1:00 p.m. ET
Registration coming soon!

All Events Registration and Recordings: https://rce.sequoiaproject.org/community-engagement/
Questions & Answers

For more information: rce.sequoiaproject.org