



TEFCA Directory, Errors, Logs, and Reporting Requirements

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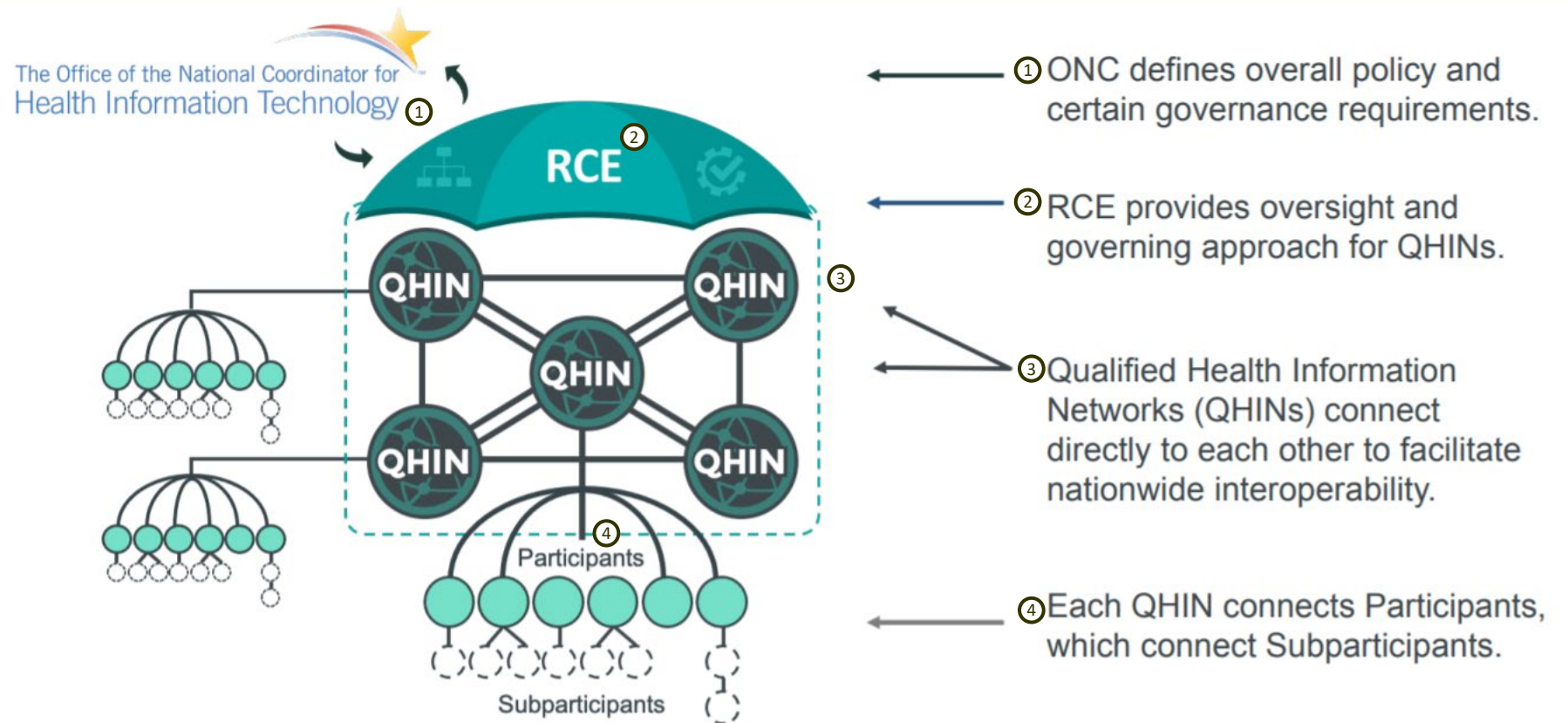
Agenda

- TEFCA Overview
- RCE Directory Overview Context, Technical Requirements, and Operations
- TEFCA Reporting Context, Requirements, and Operations
- TEFCA Errors and ATNA Logs
- Q&A
- For More Information



TEFCA Overview

How will TEFCA Work?



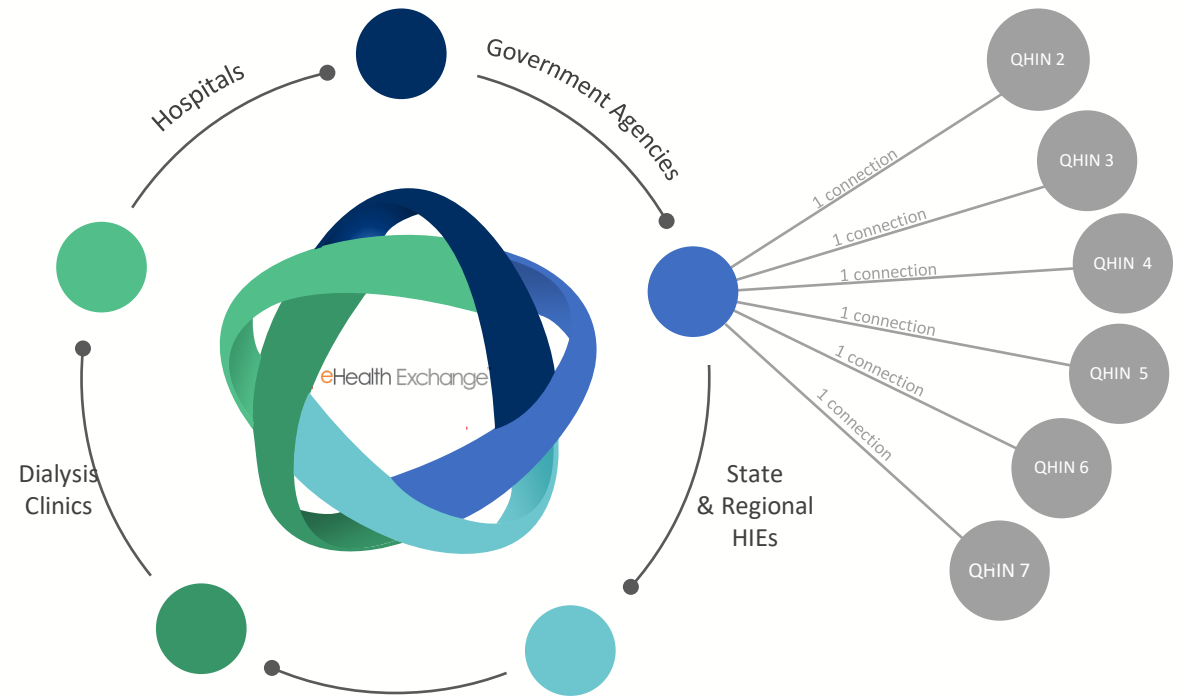
What is the Trusted Exchange Framework (TEFCA)?

It's a federally endorsed governance framework for **cross-network** exchange of healthcare records.

Similar to Carequality, it's a framework, and not a network:

- Technical & policy agreements
- Governing structure
- Federated architecture

Enables healthcare organizations connected to a TEFCA Qualified Health Information Network (QHIN) to exchange patient data with other healthcare organizations connected to other QHINs.



Which networks exchange via TEFCA?

The HHS announced that the [eHealth Exchange](#) is one of six applicants that have had their applications to become a Qualified Health Information Network (QHIN) approved

eHealth Exchange™

Epic

 **commonwell**[®]
HEALTH ALLIANCE

 **HEALTH**[™]
GORILLA

 **Kno2**[®]

 **KONZA**
NATIONAL NETWORK

It's not yet clear which healthcare organizations will agree to exchange via TEFCA. Will yours?

What's changing?

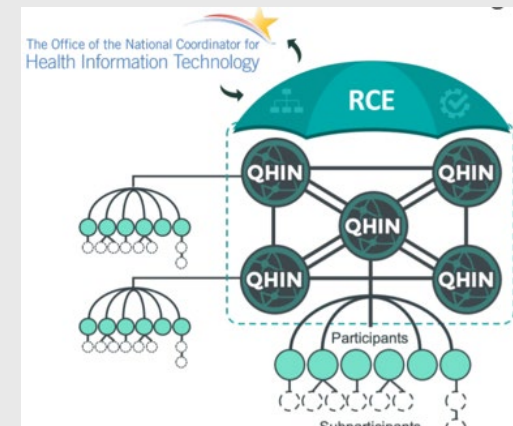
Prior to eHealth Exchange Connecting with TEFCA

Your organization can exchange with the eHealth Exchange's 320+ health systems, federal agencies, providers and provider collaboratives.



Once eHealth Exchange Goes Live on TEFCA

Option for your organization to **also** exchange with healthcare organizations participating in TEFCA QHINs.



How is the eHealth Exchange different?

eHealth Exchange

- ✓ National non-profit focused on the Public Good
- ✓ Single technical connection instead of hundreds
- ✓ Vendor agnostic
- ✓ 24x7x365 monitoring
- ✓ Enforced content quality assurance
- ✓ Analytics dashboard
- ✓ Broad federal agency connectivity
- ✓ Trust (no patient tracking, no selling data)

Other Networks

- ⚠ Single technical connection instead of hundreds
- ⚠ Vendor agnostic
- ⚠ 24x7x365 monitoring
- 🛑 Mandatory content testing
- ⚠ Analytics portal dashboard
- 🛑 Broad federal agency connectivity

- ✓ Yes
- ⚠ Sometimes
- 🛑 No

Agenda

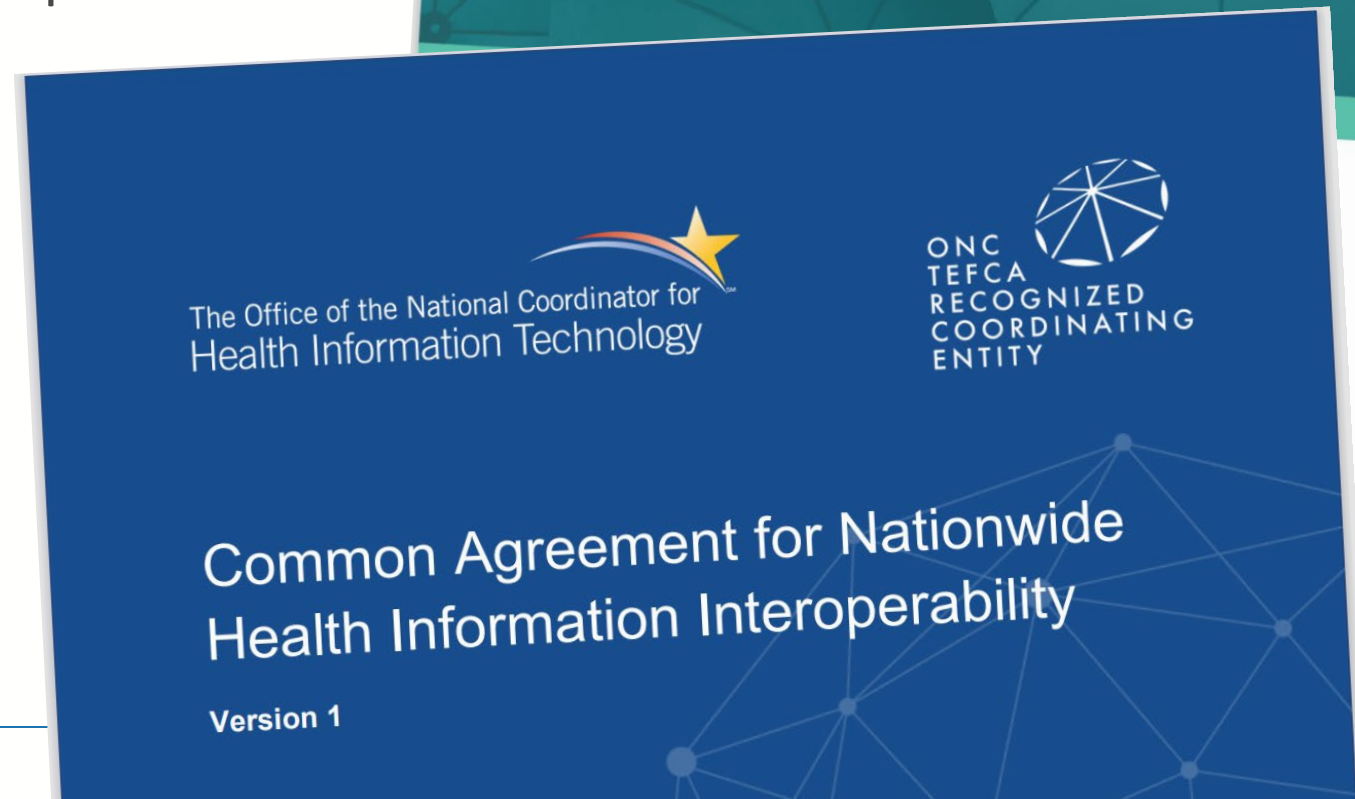
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TEFCA Directories

Context and Background

- Recognized Coordinating Entity (RCE) and ONC use case
- Directories have legal, technical and operational considerations



- **New Directory Implementation Guide (IG):** Populate and consume the QHIN Directory as specified in the Directory Implementation Guide (IG) that was published by the RCE (draft published 2023-03-04). Among other requirements and SLAs, the IG will require detailing your organization's sub-participants such as individual clinics and hospitals. The directory will be maintained by eHealth Exchange in collaboration with QHIN Participants.
- This requires your organization to populate sub-participant entries in the QHIN directory. Sub-participant entries may represent providers such as individual clinics and hospitals. eHealth Exchange will specify one or more standards for the eHealth Exchange Participant to supply their directory information to the eHealth Exchange.
- QTF-075

- **Directory Pre-Population:** Populate the Directory prior to the information affecting the production environment no less than 48 hours before the changes are implemented in the production environment.
- Flow down this new time-sensitive operational requirement. The directory will be maintained by eHealth Exchange in collaboration with eHealth Exchange QHIN Participants.
- QTF-103
- QTF-104

- **Sub-Participant Data:** Populate the directory with facility locations and probably clinic, mental health center, post-acute/long-term care facility, public health entities, payer locations, and others once published in the RCE Directory Service Implementation Guide.
- The level of detail (facility locations and related) is a new requirement for directory sub-participant entries.
- QTF-077

- **Declare PurposeOfUse:** Populate the eHealth Exchange QHIN directory with all intended PurposeOfUse values used to request data, limited to TREATMENT, PAYMENT, OPERATIONS, PUBLICHEALTH, REQUEST.
- This purpose of use subset which specifies the requesters purpose of use is a new constraint on directory entries.
- These specific purpose of use declarations must be used for all participant and sub-participant directory entries. The directory will be maintained by eHealth Exchange in collaboration with its eHealth Exchange QHIN Participants.
- QTF-023
- QTF-078

- **No Test Entries in Production:** Ensure your organization does not list test environments in the RCE Production Directory.
- This is a new operational constraint that is consistent with eHealth Exchange network behavior.
- QTF-108

- **RCE Directory:** Consume the eHealth Exchange QHIN directory, at least daily, to obtain TEF Participant information. This directory is likely to be updated at least daily, thus Participants that use dynamic HCID-based access controls must update their copy of this directory programmatically and frequently.

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- **Downtime Reports:** By the 5th of each month, submit, to eHealth Exchange staff, the previous calendar month's Initiating and Responding Gateway downtime in minutes for the Participant and any Sub-participants with planned and unplanned downtime differentiated.
- The downtime reporting requirement flows down to Participants and Subparticipants.
- QTF-116

- **Quarterly Detailed Reporting:** Four weeks before the end of each calendar quarter, submit the following reports for the prior calendar quarter to eHealth Exchange staff:
- The quarterly reporting flows down to Participants and Subparticipants.
- QTF-117

- Total number of member organizations and/or facilities connecting as or through your organization (including Sub participants) with counts for each hospital, clinic, mental health center, post-acute/long-term care facility, public health entities, and payer organizations as well as an aggregate count of any other member organizations and/or facilities not matching these categories.
- This requirement, which is likely significant, will entirely flow down to Participants and their Subparticipants.
- QTF-117

- Total number of clinicians connecting through your organization (including Sub participants).
- This requirement, which is likely significant, will entirely flow down to Participants and their Sub-Participants.
- QTF-117

- Total number of consumers/patients participating in Individual Access Services through your organization (including Sub participants).
- This requirement, which is likely significant, will entirely flow down to Participants and their Sub-Participants.
- QTF-117

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- **Respond Without Error:** Connect and respond to all requests from every other QHIN, via the eHealth Exchange QHIN Hub, without error. Be prepared to address and resolve any failure in connectivity in the shortest time that is not infeasible, with infeasibility to be determined and demonstrated.
- Participants must provide operational monitoring and support to meet upcoming QTF SLAs.
- QTF-002

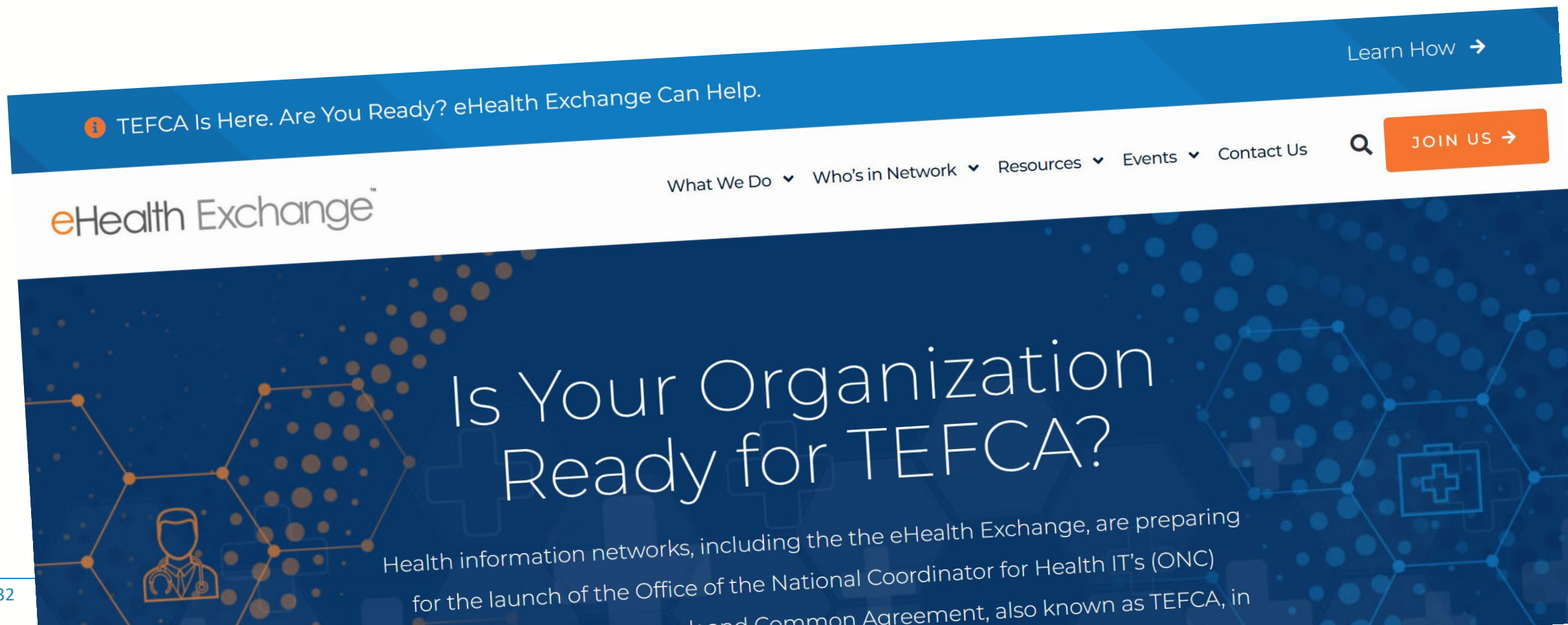
- **ATNA Log Entries:** Provide Participant gateway ATNA log entries to eHealth Exchange when requested, typically during onboarding. This requirement is anticipated to largely, but not exclusively, focus on the onboarding testing process.
- QTF-119

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For More TEFCA eHealth Exchange Information

- <https://ehealthexchange.org/what-we-do/tefca-and-ehealth-exchange/>



TEFCA Participant Flow-Down Checklist

- **UPDATED!** TEFCA Checklist (focus on technical requiren
 - Performance & Service Specifications
 - Data Classes & Elements
 - Technical Messages
 - Directory (Populating & Consuming)
 - Operations
 - Reporting
 - **New!** Individual Access Services Providers
- Other Checklist items (not covered today)
 - Testing Requirements
 - Legal Flow-Downs
 - eHealth Exchange TEFCA Protocols



Readiness Checklist Directory & Reporting

- <https://ehealthexchange.org/what-we-do/tefca-and-ehealth-exchange/>

eHealth Exchange

Readiness Checklist for Connectivity to the Trusted Exchange Framework (TEFCA) via eHealth Exchange

Overview: While the eHealth Exchange Hub will address many of the new TEFCA requirements on its Participants' behalf, the requirements below represent Trusted Exchange Framework (TEFCA) requirements for eHealth Exchange Framework via eHealth Exchange must satisfy not only existing eHealth Exchange requirements, but also all of the supplemental TEFCA requirements below. The requirements below may represent a subset of the requirements that will be required for eHealth Exchange Framework via eHealth Exchange.

This is a living document: As the Recognized Coordinating Entity (RCE) and Office of the National Coordinator (ONC) publish and revise artifacts at <https://rce.sequoiaproject.org/tefca-and-rce-resources/>, this document will be updated to reflect the latest requirements.

Audience: Potential eHealth Exchange QHIN Participants seeking to understand the eHealth Exchange QHIN's Participant TEFCA requirements. The reader should have a basic knowledge of eHealth Exchange Framework and TEFCA requirements.

General Operational Concept: The eHealth Exchange QHIN Hub acts as a bi-directional TEF gateway for eHealth Exchange Participants that don't opt-out of eHealth Exchange TEFCA exchange. The eHealth Exchange QHIN Hub facilitates the flow of TEFCA requirements down to Participants, and their Sub-Participants.

Terms used (Also see the References section far below):

- TEF = Trusted Exchange Framework, the structure consisting of QHIN-to-QHIN health data exchanges, established by the TEFCA legal agreement, SOPs, and technical specifications.
- QHIN = Qualified Health Information Network.
- eHealth Exchange QHIN Hub = A unique instance of the eHealth Exchange Hub technology facilitating TEFCA transactions.

ID	Performance & Service Specification Requirements	Additional Considerations *	Citations/Links
			https://www.healthdataexchange.gov/core-data-integration

References

- Please see this section of the TEFCA Flowdown Checklist for more details, especially the eHealth Exchange analysis and educational materials for TEFCA Participants:

References:

eHealth Exchange TEFCA Terms & Conditions, TEFCA educational materials, TEFCA (Draft) procols, etc.

<https://ehealthexchange.org/what-we-do/tefca-and-ehealth-e>

eHealth Exchange Technical Specifications

<https://ehealthexchange.org/testing-program/technical-specifi>

USCDI v1

<https://www.healthit.gov/isa/sites/isa/files/2020-10/USCDI-Ve>

Project US@

<https://oncprojecttracking.healthit.gov/wiki/download/attachr>

IHE ITI Tech Framework v17+

<https://profiles.ihe.net/ITI/TF/index.html>

TEFCA QHIN QTF v1.0

<https://rce.sequoiaproject.org/wp-content/uploads/2022/01/C>

Concise C-CDA v2.0

<https://carequality.org/wp-content/uploads/2022/03/Improve>

Older IHE ITI Tech Framework v17 cited by the QTF

https://www.ihe.net/uploadedFiles/Documents/ITI/IHE_ITI_TF

ONC RCE TEFCA Resources

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

QTF v1

<https://rce.sequoiaproject.org/wp-content/uploads/2022/01/C>

RCE TEFCA flow down provisions

<https://rce.sequoiaproject.org/summary-of-required-flow-dow>

RCE Common Agreement

<https://rce.sequoiaproject.org/wp-content/uploads/2022/01/C>

RCE Individual Access Standard Operating Procedure

<https://rce.sequoiaproject.org/wp-content/uploads/2022/09/F>

NIST 800-63A Digital Identity Guidelines

<https://pages.nist.gov/800-63-3/sp800-63a.html>

Major Technical Differences eHealth Exchange QHIN Participants Must Support

1. Adopt USDCI v1 data classes and elements
2. Adhere to the Concise Consolidated CDA 1.1 Specification
3. Adhere to Project US@ patient addressing
4. Adopt IHE ITI Technical Framework Revisions 17.0 (versus Revision 8.0)
5. Accept aggregated XCPD responses
6. Various requirements such Purpose Of Use values, different consent attribute structure, sub-participant directory entries and detailed reporting, onboarding log submissions, specific test patients, and quarterly reporting.

Next Steps

1. Review the published policy documents (not discussed today)
2. Review the TEFCA Readiness Checklist
3. Let the eHealth Exchange staff know of your organization's intentions

email: administrator@ehealthexchange.org

How might I obtain additional information?

How	When	Where
1. Visit eHealth Exchange Web Site	Any time	https://ehealthexchange.org/what-we-do/tefca-and-ehealth-exchange
2. Monthly Participant Web Meetings	Typically, the 3rd Thursday of Each Month at 1 pm ET	https://ehealthexchange.org/events
3. Monthly TEFCA Policy Compliance Meetings	Dates coming soon!	https://ehealthexchange.org/events
4. Monthly TEFCA Technical Compliance Meetings	Dates coming soon!	https://ehealthexchange.org/events
5. Email	Any time if you have a specific question	administrator@ehealthexchange.org