eHealth Exchange™

TEFCA Draft Monthly and Quarterly Reports Review

Eric Heflin, Consultant
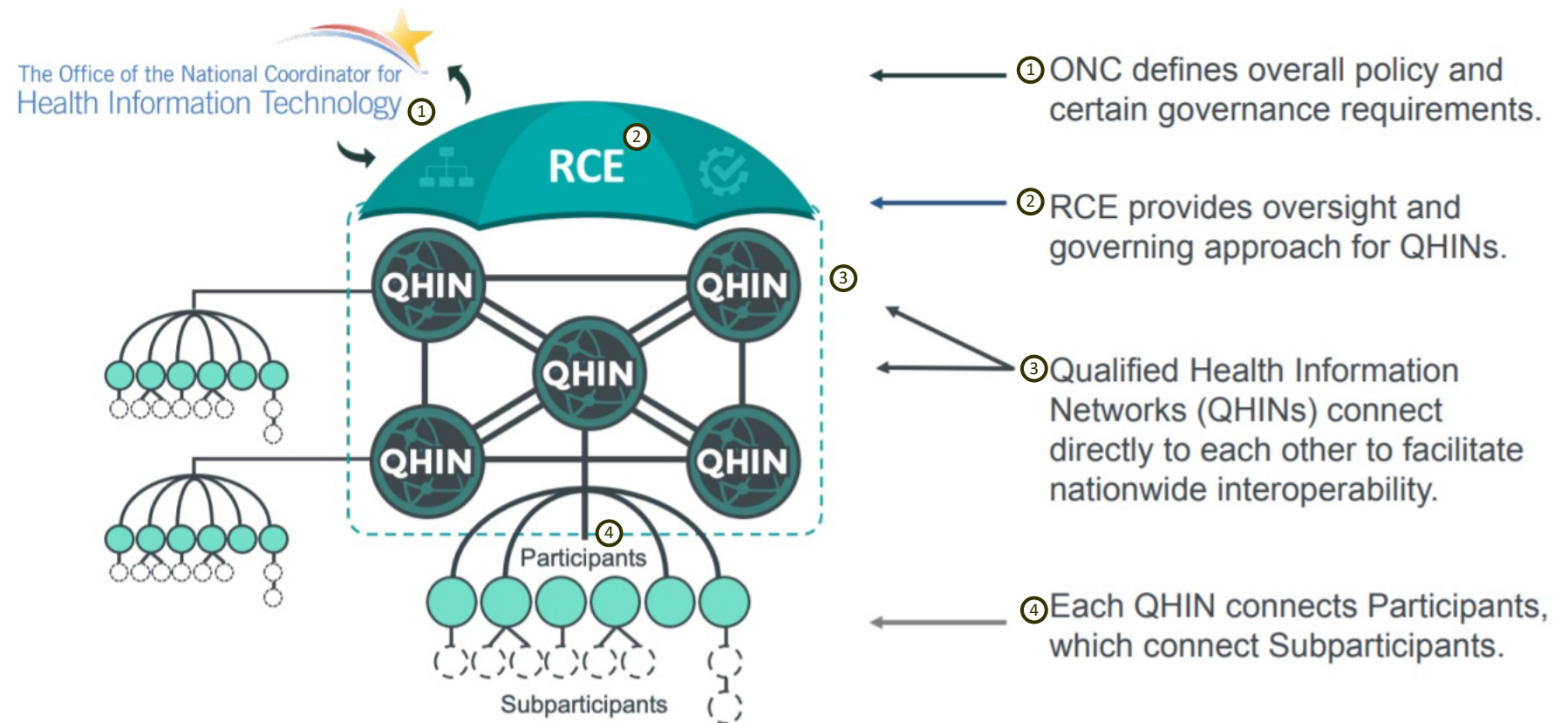
July 11, 2023

Agenda

- TEFCA Overview - Reference
- TEFCA Monthly Technical Webinar Series
- TEFCA Reporting Context, Requirements, and Operations – Quick Refresher
- TEFCA Draft Reports – Interactive Review
- TEFCA Draft Reports – Interactive Review

- Q&A
- For More Information

TEFCA Overview - Reference

How will TEFCA Work?

Common Agreement

QHIN Technical Framework

Standard Operating Procedures

FHIR Roadmap

The Office of the National Coordinator for Health Information Technology

RCE

QHIN

Participants

Subparticipants

① ONC defines overall policy and certain governance requirements.

② RCE provides oversight and governing approach for QHINs.

③ Qualified Health Information Networks (QHINs) connect directly to each other to facilitate nationwide interoperability.

④ Each QHIN connects Participants, which connect Subparticipants.
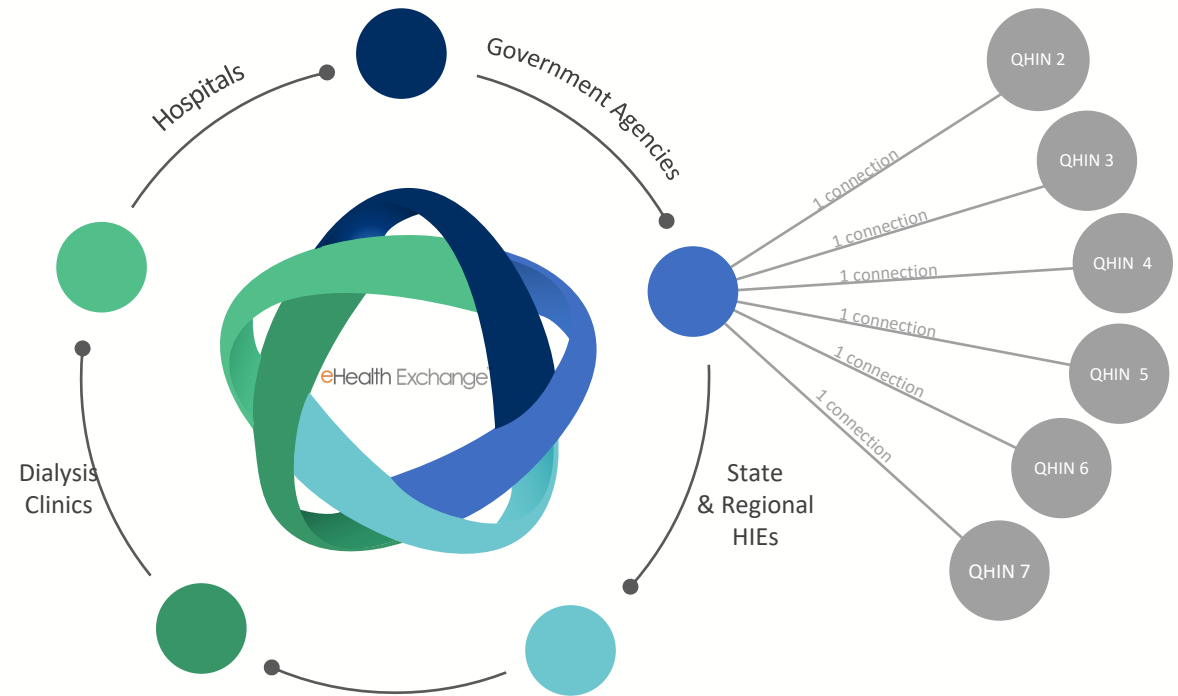
eHealth Exchange™

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

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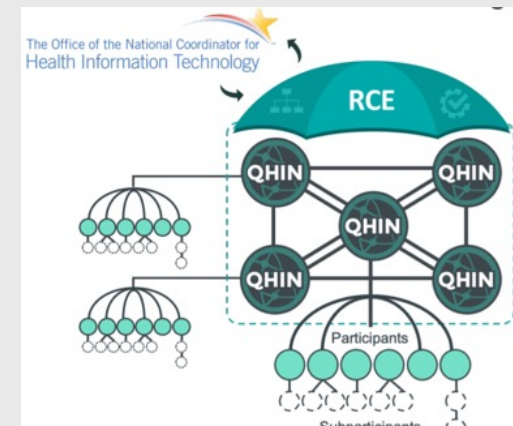
What's changing?

Prior to eHealth Exchange Connecting with TEFCA	Once eHealth Exchange Goes Live on TEFCA
Your organization can exchange with the eHealth Exchange's 320+ health systems, federal agencies, providers and provider collaboratives.	**Option** for your organization to **also** exchange with healthcare organizations participating in TEFCA QHINs.

eHealth Exchange

How is the eHealth Exchange different?

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

✓ Yes
⚠ Sometimes
✋ No

eHealth Exchange™

**TEFCA Monthly Technical Webinar Series**

eHealth Exchange TEFCA Monthly Webinar Series

- Today's webinar is part of a series
- Prior webinars covered:
  - TEFCA Readiness Checklist
  - Individual Access Services Providers
  - Reporting Requirements
  - ATNA Loging
  - Error Handling
  - And more
- Prior webinars can be found at:
  - https://ehealthexchange.org/what-we-do/tefca-and-ehealth-exchange/

TEFCA Reporting Requirements: Quick Refresher
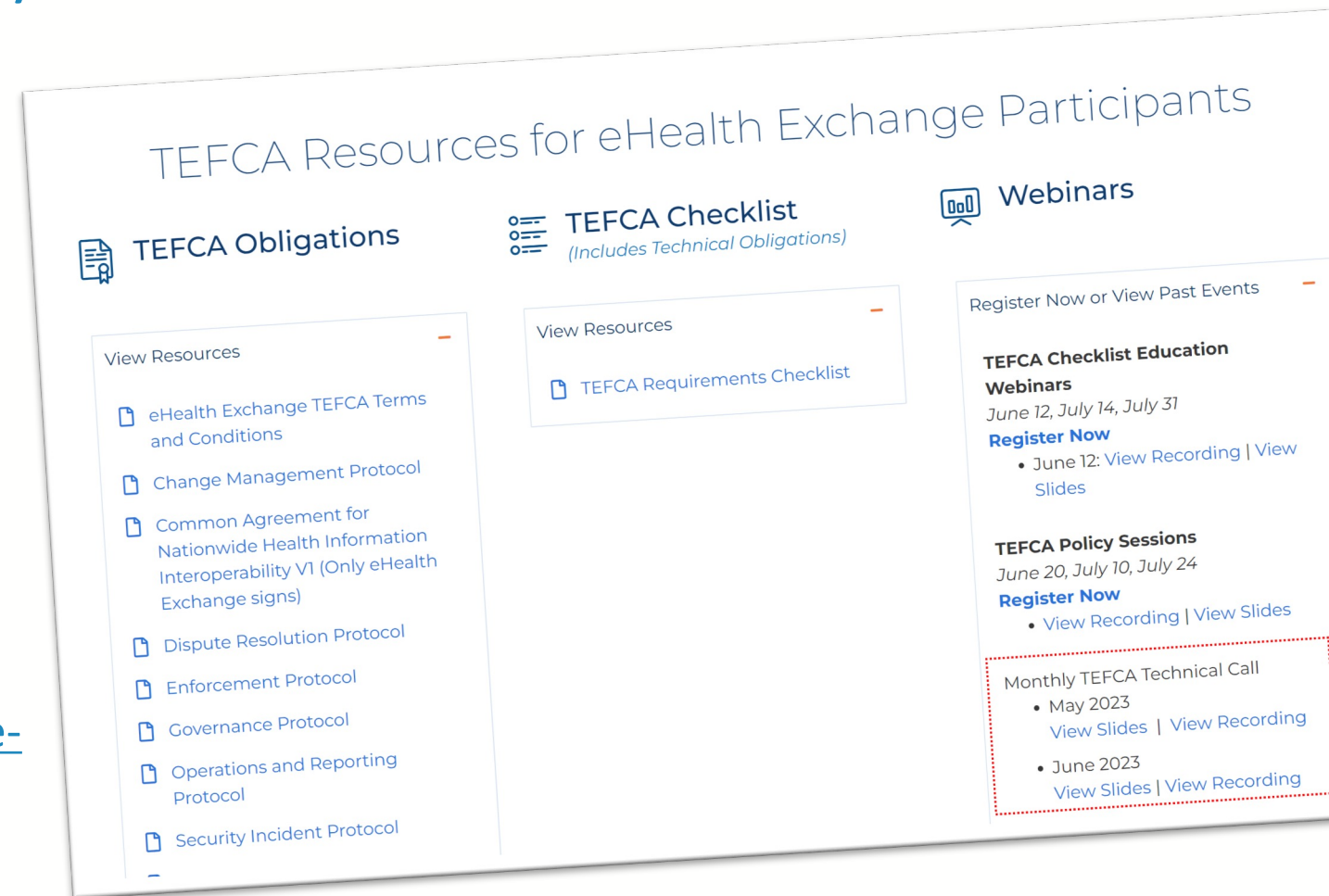
TEFCA Monthly Report

- **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

eHealth Exchange™

TEFCA Quarterly Reports

- **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.

- Covered in more detail on the next 3 slides.

- QTF-117

eHealth Exchange™

Quarterly Member Organizations Report

- 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

eHealth Exchange™

Quarterly Clinicians Report

- 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

eHealth Exchange™

Quarterly Consumers / Patients Report

- 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

eHealth Exchange™

TEFCA Reporting Requirements: Draft Reports

Draft TEFCA Reports

- The RCE is not providing report templates or specifications at this time
- The following 4 draft reports were developed by the eHealth Exchange community
- Venue: Weekly eHealth Exchange Technical Work Group web meetings (open to everyone)
- We received very valuable feedback and insights; provided to the RCE and resulted in report revisions
- You are invited!

Image credit: Licensed from iStockPhoto

QTF-116 Participant Downtime Report

- Live Interactive Review

QTF-116 QHIN Particpant and Subparticipant Downtime Report

As a QHIN Responding Gateway:

"Downtime for the QHIN's gateway Actors (e.g., Initiating Gateway, Responding Gateway) in minutes in the reporting month. Reports MUST include planned and unplanned downtime by Actor"

Year	Month	QHIN	Participant/Subparticipant	Participant or Subparticipant HCID	Participant or Subparticipant Name	Downtime Event Type	Event Start Date/Time	Event Start Date/Time
2023	1	EHX	Participant	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	Planned	1/1/23 13:04	1/1/23 13:04
2023	2	EHX	Subparticipant	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	Unplanned	1/1/23 13:04	1/1/23 13:04
2023	2	EHX	Child	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	Planned	1/1/23 13:04	1/1/23 13:04

Planned must be scheduled and announced to the eHealth Exchange at least 48 hours prior to the event

Dates and times must be in UTC format

Define 'event' (full TEF message exchange time interval were messages are not being transacted)

eHealth Exchange™

RCE Feedback on QTF-116 Participant Downtime Report

- RCE Feedback (source of comments was eHealth Exchange Technical Work Group and staff)
- Downtime report QTF-116
  - Please define downtime (is it defined as more than a minute?)
  - Please define if the report should include incident start and stop times or just a duration?
  - Please determine if each incident should be listed in the report, or just a monthly total of all down times?
  - Please define what constitutes "scheduled downtime". Is it, for example, for downtimes that occur with at least 48 hours of advanced published notice?

Image credit: Licensed from iStockPhoto

QTF-117 Quarterly Member Organizations Report

- Live Interactive Review

QTF-117 Quarterly Detailed Reporting

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:

• 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.

Year	Quarter	QHIN	Participant/Subparticipant	Participant or Subparticipant HCID	Potential Parent HCID ???	Participant or Subparticipant Name	Hospitals*	Clinics	Mental Health Centers	Post-acute/long-term care facility	Public Health Entities	Payers	All Other Organizations
2023	1	EHX	Participant	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	111	111	111	111	111	111	111
2023	2	EHX	Subparticipant	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	222	222	222	222	222	222	222
2023	3	EHX	Child	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	333	333	333	333	333	333	333
2023	4	EHX	Child	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	333	333	333	333	333	333	333

eHealth Exchange™

QTF-117 Quarterly Clinicians Report

- Live Interactive Review

• Total number of clinicians connecting through your organization (including Sub participants).							
Year	Quarter	QHIN	Participant/Subparticipant	Subparticipant HCID	Potential Parent HCID ???	Participant or Subparticipant Name	Clinicians Connected*
2023	1	EHX	Participant	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Ccccc Dd	111
2023	2	EHX	Subparticipant	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Ccccc Dd	222
2023	2	EHX	Child	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Ccccc Dd	333
* For all counts don't include any counts that are reported by any other organization in this report							

eHealth Exchange™

QTF-117 Quarterly Consumers/Patients Report

- Live Interactive Review

Year	Quarter	QHIN	Participant/Subparticipant	Participant or Subparticipant HCID	Potential Parent HCID ???	Participant or Subparticipant Name	IAS Participating Consumers/Patient Count
						• Total number of consumers/patients participating in Individual Access Services through your organization (including Sub participants).	
2023	1	EHX	Participant	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	111
2023	2	EHX	Subparticipant	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	222
2023	2	EHX	Child	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	333

* For all counts don't include any counts that are reported by any other organization in this report

eHealth Exchange™

RCE Feedback on QTF-117 Quarterly Reports

- RCE Feedback (source of comments was eHealth Exchange Technical Work Group and staff)
- Quarterly Reports QTF-117
  - Please define "clinician". Is it physicians, nurses, physicians' assistants, medical technicians, dentists, etc.
  - Is there an activity period associated with being a connected clinician? For example, what if a clinician only used the system once, two years ago. Would the be counted as being connected?
  - For all reports, would it be useful to have the HCID of that entity? Entity name? Entity type (Participant, Subparticipant, Child)?
  - Should these 4 reports (Downtime, Participant Type and Count, Clinician Count, and IAS Consumers) be 4 separate physical files or a single file? Is an Excel workbook an acceptable format? Is Tab Separated or Comma Separated acceptable formats for these 4 reports?

Image credit: Licensed from iStockPhoto

eHealth Exchange™

TEFCA Reporting Requirements: Your Feedback is Requested

Additional Feedback

- We want YOUR feedback

- What additional feedback do you have on the draft reports? How can they be improved? How can we make them easier for us all to generate? What is unclear in the draft reports? What is unclear in the reporting requirements?

Image credit: Licensed from iStockPhoto

eHealth Exchange™

QA

For More Information

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
  - UPDATED: USCDI v1 Optional ITP Content Validation
  - Performance & Service Specifications
  - Data Classes & Elements
  - Technical Messages
  - Directory (Populating & Consuming)
  - Operations
  - Reporting
  - Individual Access Services Providers
- Other Checklist items (not covered today)
  - Testing Requirements
  - Legal Flow-Downs
  - eHealth Exchange TEFCA Protocols

Image credit: Licensed from iStockPhoto

eHealth Exchange™

Readiness Checklist Directory & Reporting

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

©2023 eHealth E

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://oncprojectracking.healthit.gov/wiki/download/attachm
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

eHealth Exchange™

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.

eHealth Exchange™

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

eHealth Exchange

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

eHealth Exchange™