



TEFCA Monthly eHealth Exchange Technical Webinar

TEFCA Hub Development Updates

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November 27, 2023

Agenda

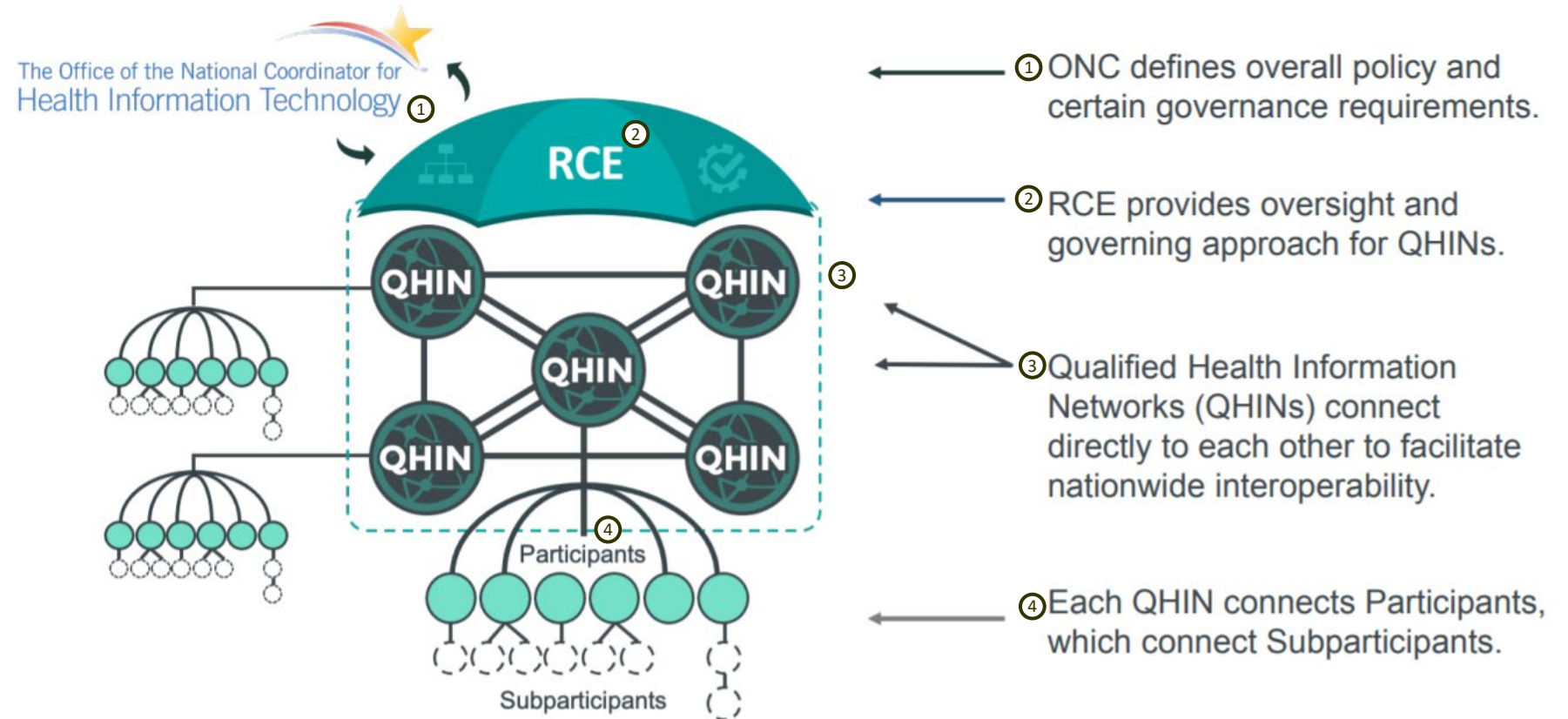
- TEFCA Overview - Reference
- TEFCA Monthly Technical Webinar Series
- TEFCA FHIR Support
- TEFCA Hub Technical Readiness
- TEFCA New QHIN Technical Framework
- TEFCA Directory
- Lessons Learned from Initial Sub-Participants
- TEFCA Reporting Requirements: RCE Updates
- TEFCA Readiness Checklist Updates
- Open Discussion / Q&A
- For More Information (Including Office Hours)





TEFCA Overview - Reference

How will TEFCA Work?



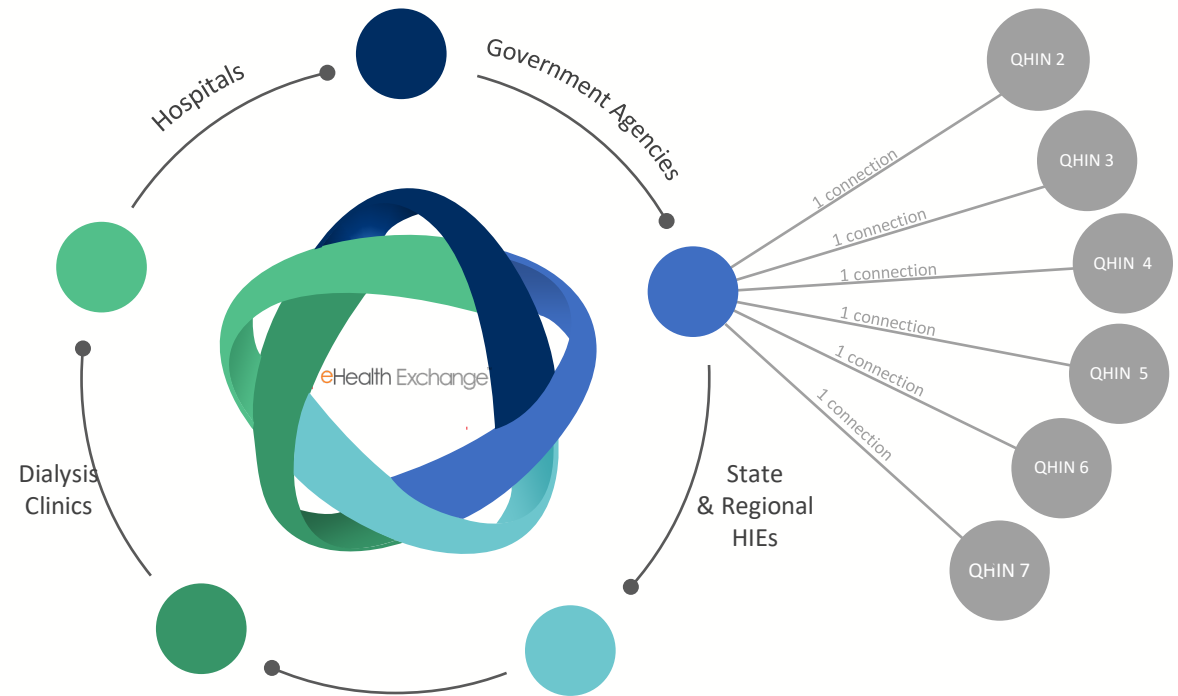
What is the Trusted Exchange Framework (TEFCA)?

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:

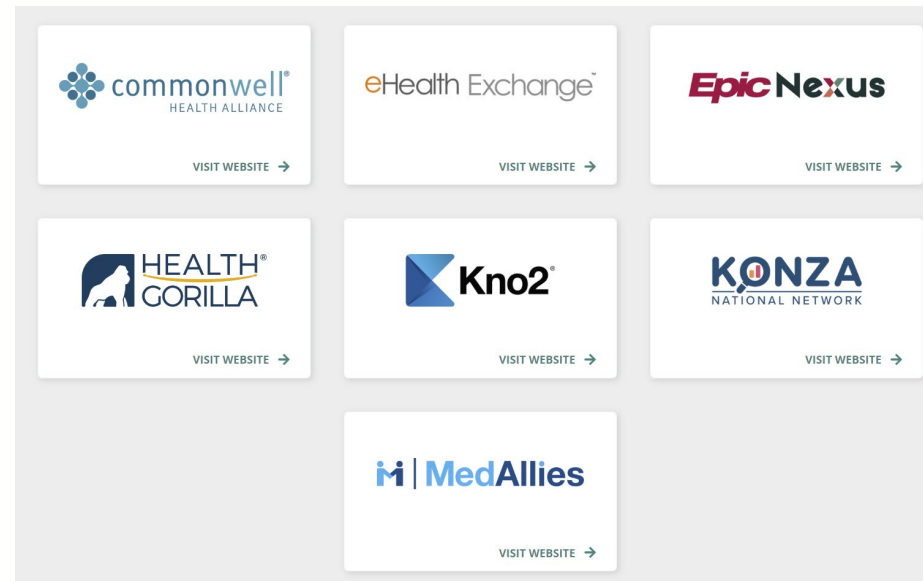
- Technical & policy agreements
- Governing structure
- Federated architecture

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 plan to 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?

eHealth Exchange™

Inaugural QHIN Candidate

Intent to Participate from 11 HIEs Operating in 15 States Serving up to 126 Million Patients



AL, AK, AZ, CA, CO, CT, DC, GA, IA, IN, MD, NE, TX, VA, and WV

What's changing?

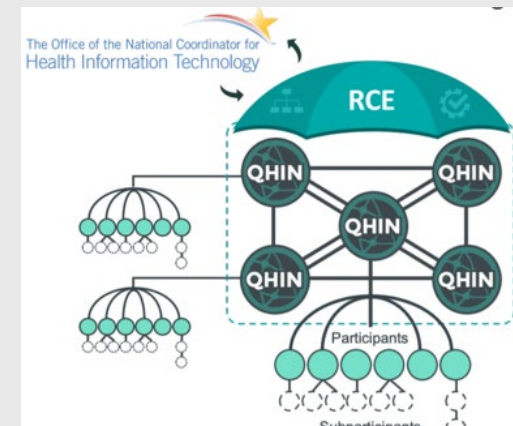
Prior to eHealth Exchange Connecting with TEFCA

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

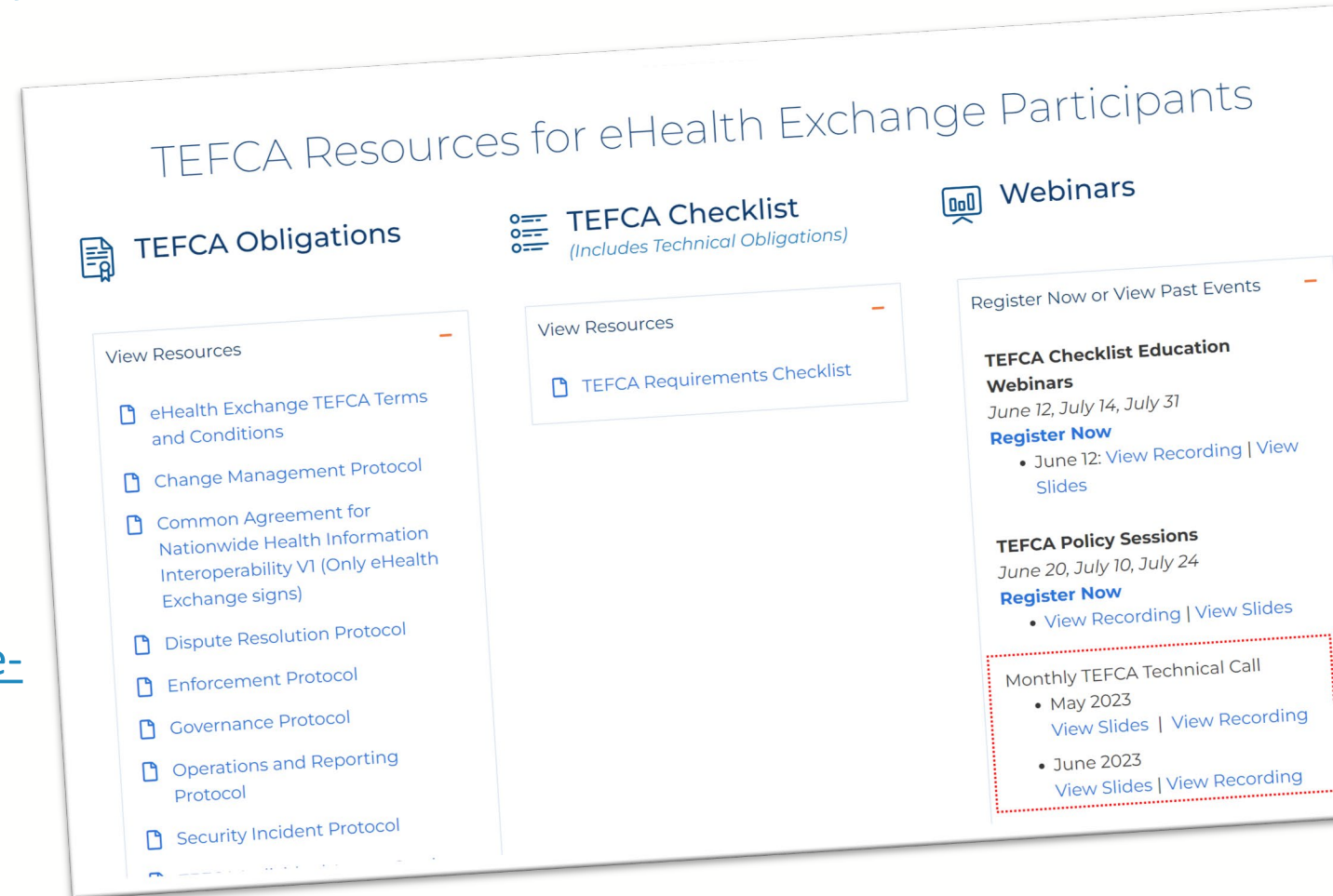
- ✓ Yes
- ⚠ Sometimes
- 🛑 No



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
 - Error Handling
 - And more
- Prior webinars can be found at:
 - <https://ehealthexchange.org/what-we-do/tefca-and-ehealth-exchange/>





TEFCA FHIR Support

TEFCA FHIR Exchange Roadmap

Planned Stages of FHIR Availability in TEFCASM

Stage 1 FHIR Content Support

- ✓ FHIR exchange possible within QHINs' own networks
- ✓ IHE exchange of FHIR payloads between QHINsTM is possible with "out-of-band" coordination.

Stage 2 Network-Facilitated FHIR Exchange

- ✓ QHINTM-facilitated FHIR-based exchange available as an option under TEFCASM.

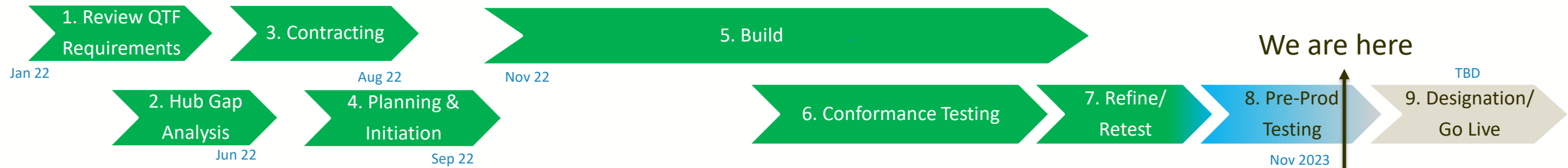
Stage 3 Network-Brokered FHIR Exchange

- ✓ QHINTM-facilitated FHIR-based exchange available as an option under TEFCASM.
- ✓ QHINTM-brokered FHIR API exchange optionally available.



Source: <https://rce.sequoiaproject.org/three-year-fhir-roadmap-for-tefca/>

Technical Readiness for TEFCA



Phase	Accomplishments
1. Thru 4.	QTF review and gap analysis completed. Vendor contracting completed. Project planning and initiation
5.	MVP Customizations Completed (required to mitigate gaps and <i>some</i> flow-down requirements that participants might not be able to accommodate)
6.	Conformance Testing
7.	Operationalize directory synchronization processes (in progress)
8.	<ul style="list-style-type: none"> Obtained access to RCE Stage directory, and populated and consumed to eHx QHIN Stage directory Completed bi-directional PD/QD/RD/XCDR non-prod testing with Health Gorilla and MedAllies Candidate QHINs In process of non-prod testing with Epic and KONZA Candidate QHINs Testing with initial eHx QHIN Participants Developed Pre- and Post- Live technical checklist

New Version of the QTF

- The RCE has announced a new version of the QTF (version 1.1) is expected to be released soon
- Target date is Dec 5, 2023
- We'll share more as we receive the approved version and complete our analysis
- POTENTIAL changes include:
 - New Purpose of Use value sets
 - Simplified Individual Access Services (IAS) Provider security
 - Adoption of HL7 UDAP Business to Consumer (B2C) model

Live Walkthrough: TEFCA Directory Templates

- Excel or text file formats (Participants may use either one)
- In the future, a directory web application is expected

	A	B
1	Org-Identifier	<<<OID>>>
2	Org-EnvironmentType	<<PRD or VAL>>
3	Org-DoingBusinessAsName	ExampleHealth
4	Org-Description	ExampleHealth is an hospital system out of OK covering 5 surrounding states.
5	Org-Aliases	Example Medicine Corporation
6	Org-Address	16 Yemen Rd
7	Org-City	Yemen
8	Org-ZIP	12345
9	Org-State	OK
10	Org-Country	USA
11	Org-MainPhone	555-555-1234
12	Org-MainEmailAddress	info@examplehealth.org
13	Org-MainWebsite	https://examplehealth.org
14		
15	Person01-Name	HeadHoncho Operations
16	Person01-Phone	+1-555-555-5555x123
17	Person01-Email	jane.doe@examplehealth.org
18	Person01-Company	ExampleHealth
19	Person01-Address	16 Yemen Rd

File Edit View

```
Org-Identifier: <<<OID>>>
Org-EnvironmentType: <<PRD or VAL>>
Org-DoingBusinessAsName: ExampleHealth
Org-Description: ExampleHealth is an hospital syst
Org-Aliases: Example Medicine Corporation
Org-Address: 16 Yemen Rd
Org-City: Yemen
Org-ZIP: 12345
Org-State: OK
Org-Country: USA
Org-MainPhone: 555-555-5555
Org-MainEmailAddress: info@examplehealth.org
Org-MainWebsite: https://examplehealth.org
```

```
Person01-Name: HeadHoncho Operations
Person01-Phone: +1-555-555-5555x123
Person01-Email: jane.doe@examplehealth.org
Person01-Company: ExampleHealth
Person01-Address: 16 Yemen Rd
Person01-City: Yemen
Person01-StateProvince: OK
Person01-ZIPCodePostalCode: 12345
```

```
Person02-Name: Tech Rep
Person02-Phone: +1-555-555-5555x123
Person02-Email: john.doe@examplehealthvendor.org
Person02-Company: ExampleHealth's Vendor
Person02-StreetAddress: 16 Yemen Rd
Person02-City: Yemen
Person02-StateProvince: OK
Person02-ZIPCodePostalCode: 12345
```


Top Issues for eHealth Exchange TEFCA Participants

- Initial issues
 - IAS responses
 - Timelines; seeking to go live in the Dec 2023 timeframe; requires close coordination
 - IAS requirements seem to be changing (not officially published yet)
- Areas we are discussing with other QHINs Participants:
 - New PoU value set – optional Hub transformations
 - ITI-41 v ITI-80 – Hub transformations



Image credit: Licensed from iStockPhoto

Other Initial eHealth Exchange TEFCA Participant Lessons

lessons learned



- HIE's having to include historical addresses - and only for those subparticipants who are signed up for the QHIN. Currently a "golden record" is produced which includes last and best address.
- Project US@ addressing validation
- Ensuring that on-demand document generation only includes those subparticipants who are signed up for the QHIN
- Workflow for clinicians when multiple patient records are returned.

Image credit: Licensed from iStockPhoto



TEFCA Reporting Requirements: RCE Updates

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

Update: The RCE has clarified that the QTF-116 Downtime report is only required by QHINs.

eHealth Exchange Participants exchanging via TEFCA do not need to provide this report.

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

No updates regarding this report

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

No updates regarding this report

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

Update: The RCE has clarified that the QTF-117 Quarterly Clinicians report is for all people providing clinical services to patients.

eHealth Exchange Participants exchanging via TEFCA do not need to provide this report.

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

No updates regarding this report

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 or Subparticipant		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
			Participant	Subparticipant HCID									
2023	1	EHX	Participant	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	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
2023	3	EHX	Child	1.2.3.4.5	1.2.3.4.5	Aaaaa Bbbbbb Cccccc Dd	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

The RCE indicated that the HCID value of the participant is not needed at this time.

QTF-117 Quarterly Clinicians Report

- Live Interactive Review

• Total number of clinicians connecting through your organization (including Sub participants).

Year	Quarter	QHIN	Participant/Subpar ticipant	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 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							

The RCE indicated that the HCID value of the participant is not needed at this time.

QTF-117 Quarterly Consumers/Patients Report

- Live Interactive Review

• Total number of consumers/patients participating in Individual Access Services through your organization (including Sub participants).

Year	Quarter	QHIN	Participant/Subparticipant	Participant or Subparticipant HCID	Potential Parent HCID ???	Participant or Subparticipant Name	IAS Participating Consumers/Patient Count
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							

The RCE indicated that the HCID value of the participant is not needed at this time.

For More TEFCA eHealth Exchange Information

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

The screenshot shows the top section of the eHealth Exchange website. At the top, a blue banner contains the text "TEFCA Is Here. Are You Ready? eHealth Exchange Can Help." with an information icon on the left and a "Learn How" link with a right arrow on the right. Below this is a white navigation bar with the eHealth Exchange logo on the left, a search icon, and a "JOIN US" button with a right arrow. The main navigation menu includes "What We Do", "Who's in Network", "Resources", "Events", and "Contact Us", each with a dropdown arrow. The main content area has a dark blue background with a network diagram and a large white text overlay that reads "Is Your Organization Ready for TEFCA?". A light blue callout box above the main text says "No updates since last month". Below the main text, there is a paragraph of text: "Health information networks, including the the eHealth Exchange, are preparing for the launch of the Office of the National Coordinator for Health IT's (ONC) ... and Common Agreement, also known as TEFCA, in".

TEFCA Is Here. Are You Ready? eHealth Exchange Can Help. Learn How →

eHealth Exchange™

What We Do ▾ Who's in Network ▾ Resources ▾ Events ▾ Contact Us

JOIN US →

No updates since last month

Is Your Organization Ready for TEFCA?

Health information networks, including the the eHealth Exchange, are preparing for the launch of the Office of the National Coordinator for Health IT's (ONC) ... and Common Agreement, also known as TEFCA, in

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 (if you haven't already)

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 Technical Call	Dates coming soon!	https://ehealthexchange.org/events
4. Email	Any time if you have a specific question	administrator@ehealthexchange.org
5. TEFCA Office Hours (Q&A)	10/25, 11/29, 12/11, 1/8, 1/24	administrator@ehealthexchange.org