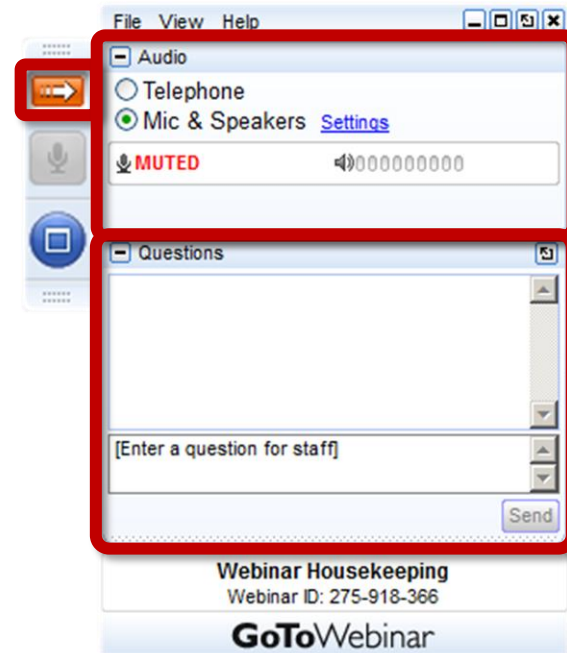




All Participant Call

September 19, 2024

How Do I Participate?



Your Participation

Open and close your control panel

Join audio:

- Choose "Mic & Speakers" to use VoIP
- Choose "Telephone" and dial using the information provided

Submit questions and comments via the Questions panel

Note: Today's presentation is being recorded and will be provided within 48 hrs

Today's Topics

New Participants	Ashley Green
Dashboard Updates	Jay Johnstone
CDex Use Case	Mike Yackanich
FDA BEST Adverse Event Reporting	Mike Yackanich
Directory API Tips and Tricks	Michael McCune
Directory Portal	Tiffanie Hickman
Coordinating Committee Elections	Pat Russell
OPP #17 Reminder	Pat Russell
QHIN Update	Mike Yackanich Pat Russell
Events & Other Exciting News	Tina Feldmann
Information & Resources	Ashley Green
Q&A	Anyone

New Participants

Congratulations to our newest Participants!



From our inaugural clinic at 2750 Broadway in Boulder, Boulder Medical Center has grown to include over 80 physicians and providers across five locations in Boulder County. Each site remains devoted to providing accessible and exceptional healthcare services to our community.

Over seven and a half decades, Boulder Medical Center has evolved while upholding its roots in local ownership. They are dedicated to personalized, high-quality care has been a constant, continually adapting to meet our community's emerging needs.

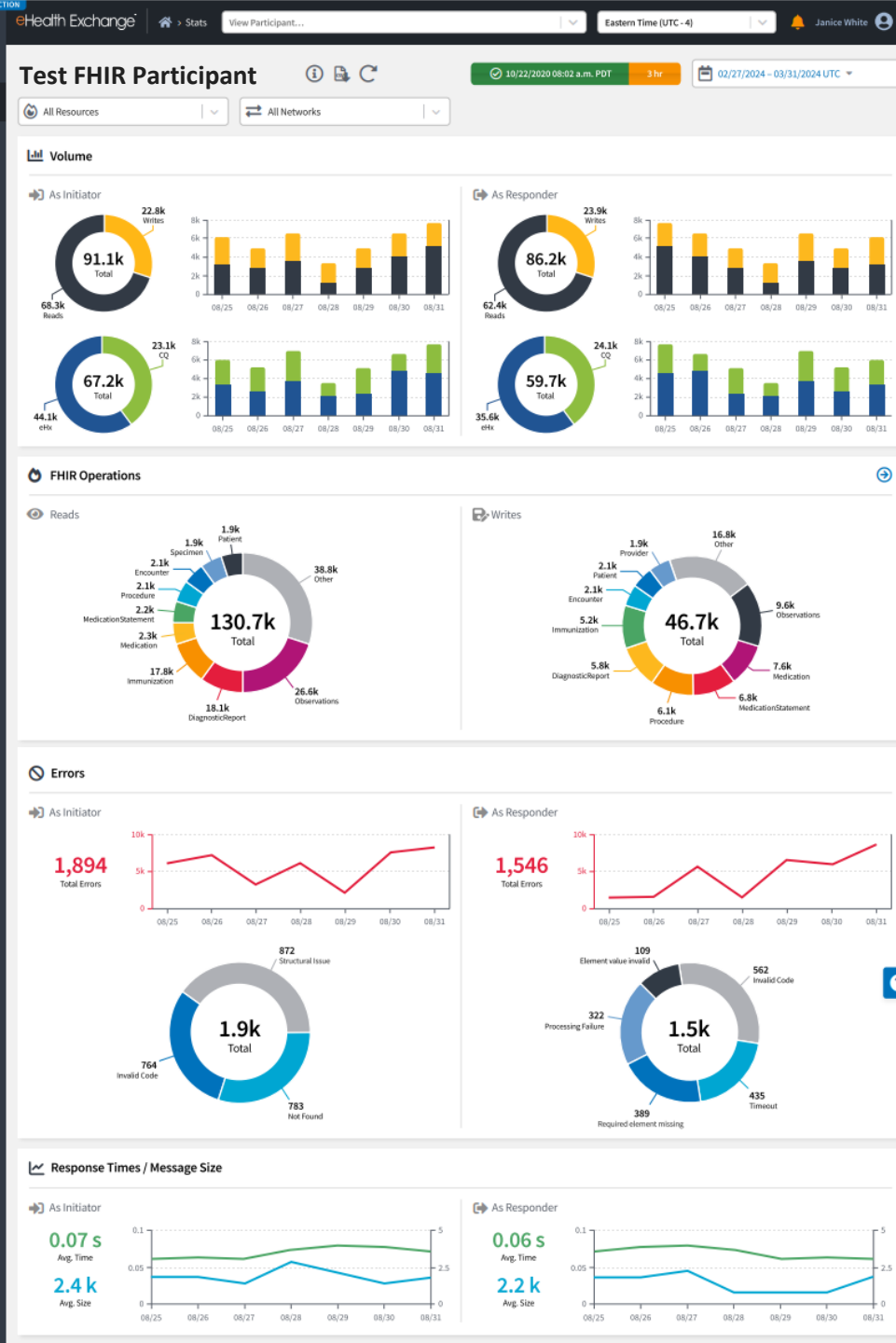
Mission: Engaging our patients in high-quality, compassionate health care.

Vision: To be recognized by our community for exceptional, high quality, affordable, coordinated care; and become the healthcare employer of choice through life balance, employee satisfaction, and financial performance.

To learn more, visit <https://www.bouldermedicalcenter.com/>

Committed to Improving Patient Care via Data Exchange

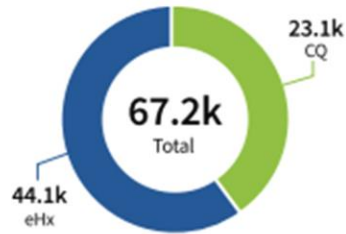
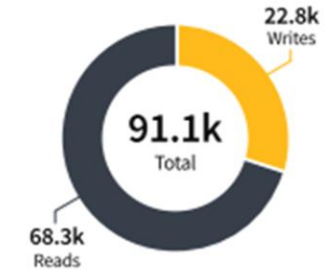
Dashboard Updates



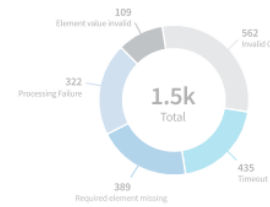
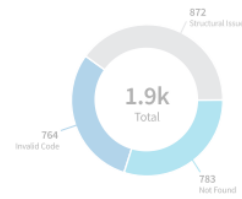
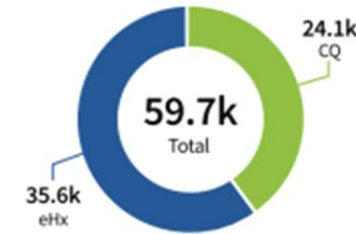
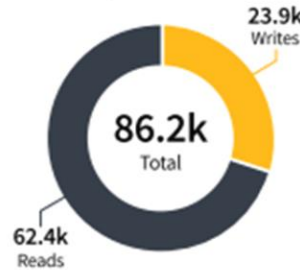
NOTE: These are initial mock-ups. The final dashboard may have differences.

Volume

As Initiator



As Responder

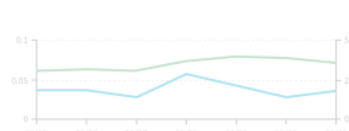


Response Times / Message Size

As Initiator

0.07 s
Avg. Time

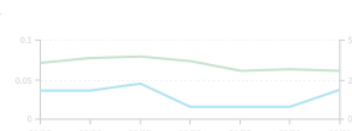
2.4 k
Avg. Size



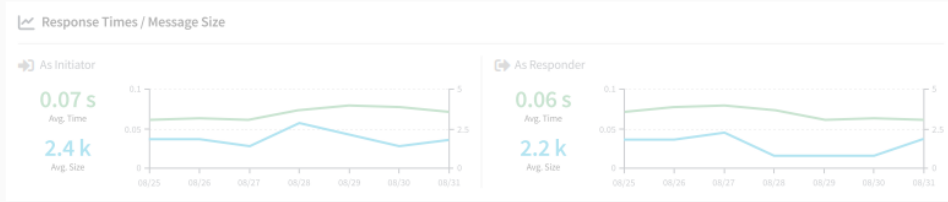
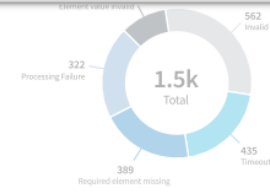
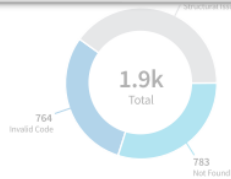
As Responder

0.06 s
Avg. Time

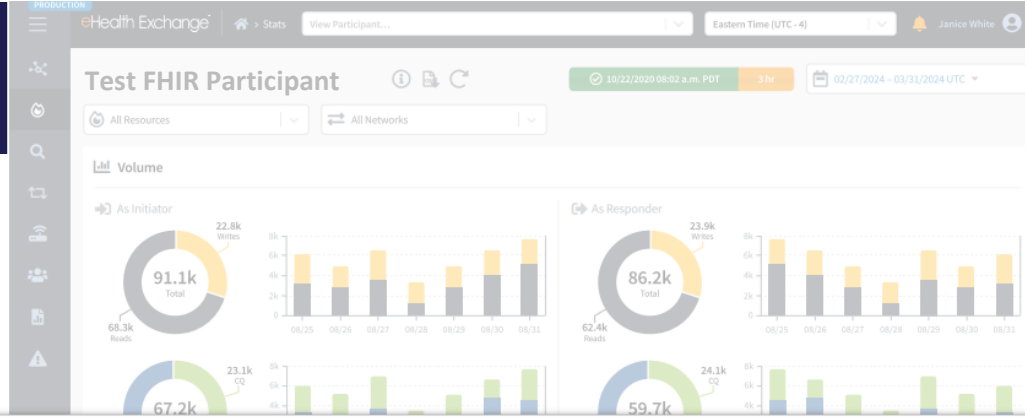
2.2 k
Avg. Size



NOTE: These are initial mock-ups. The final dashboard may have differences.



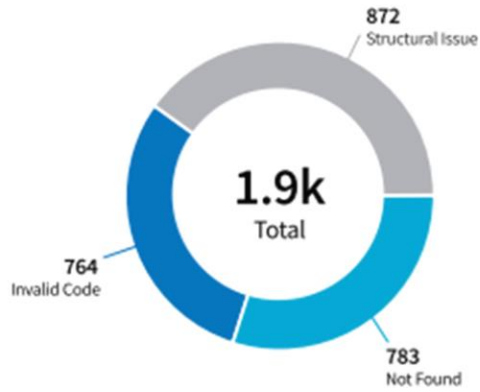
NOTE: These are initial mock-ups. The final dashboard may have differences.



Errors

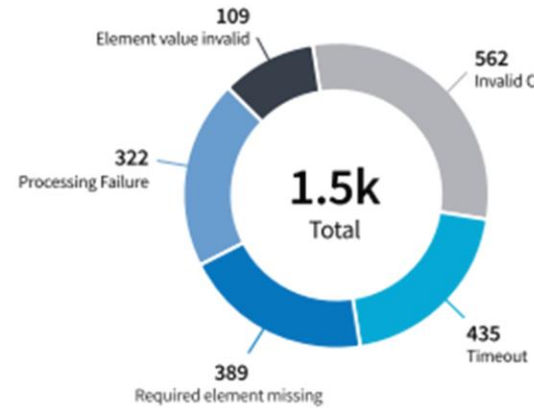
As Initiator

1,894
Total Errors

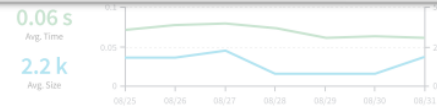
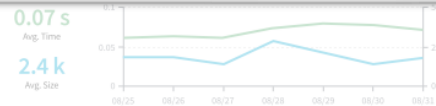


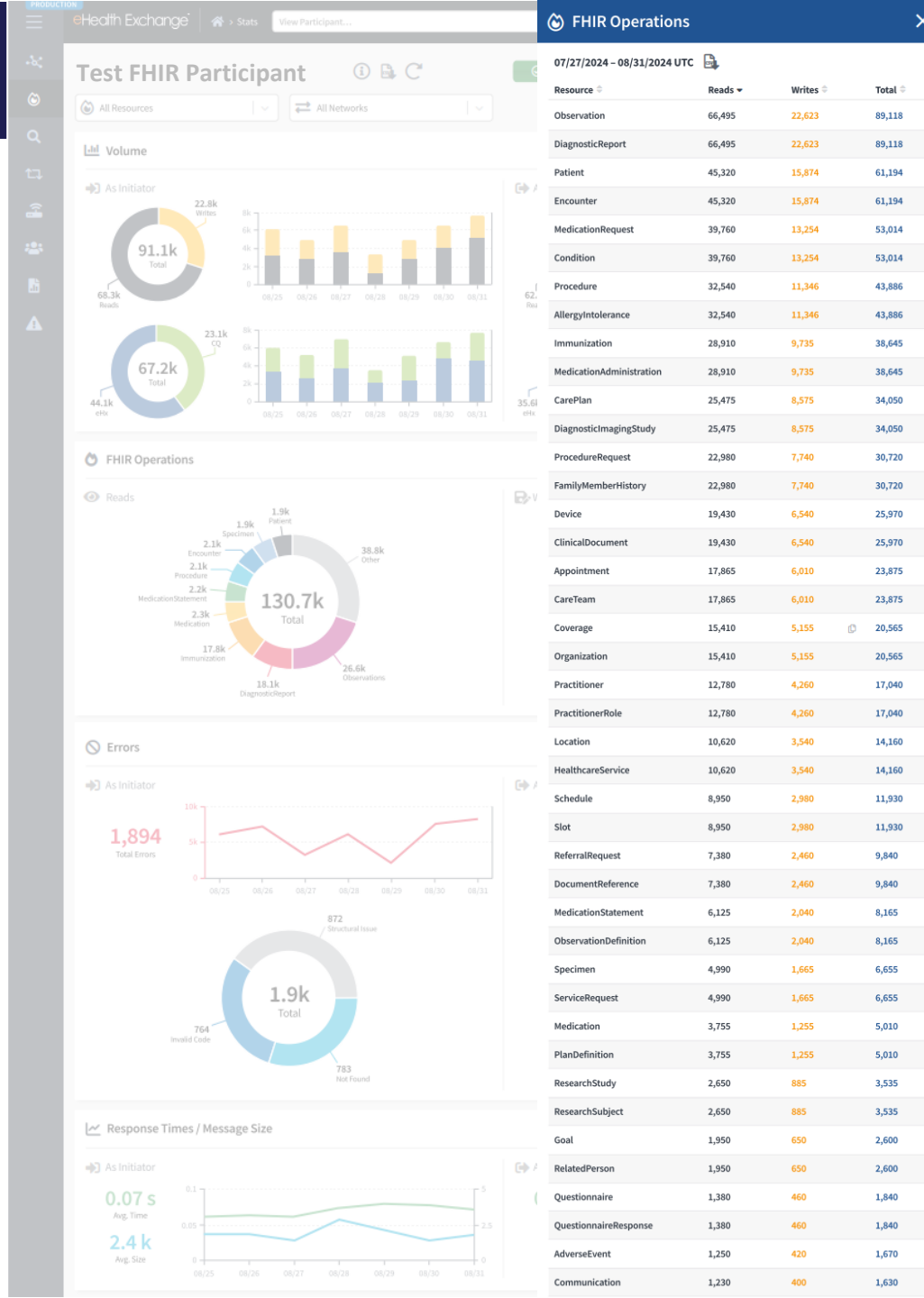
As Responder

1,546
Total Errors

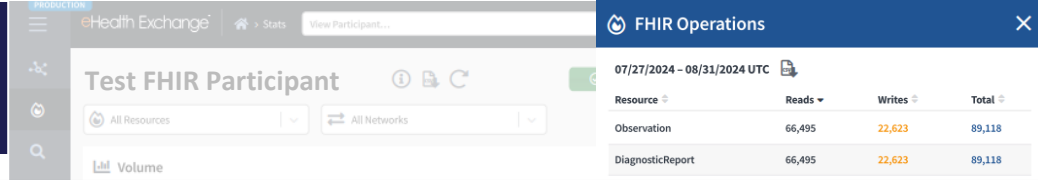


NOTE: These are initial mock-ups. The final dashboard may have differences.





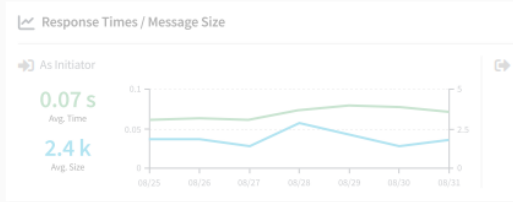
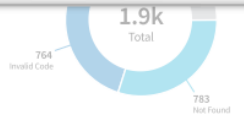
NOTE: These are initial mock-ups. The final dashboard may have differences.



FHIR Operations

07/27/2024 - 08/31/2024 UTC

Resource	Reads	Writes	Total
Observation	66,495	22,623	89,118
DiagnosticReport	66,495	22,623	89,118
Patient	45,320	15,874	61,194
Encounter	45,320	15,874	61,194
MedicationRequest	39,760	13,254	53,014



ServiceRequest	4,990	1,665	6,655
Medication	3,755	1,255	5,010
PlanDefinition	3,755	1,255	5,010
ResearchStudy	2,650	885	3,535
ResearchSubject	2,650	885	3,535
Goal	1,950	650	2,600
RelatedPerson	1,950	650	2,600
Questionnaire	1,380	460	1,840
QuestionnaireResponse	1,380	460	1,840
AdverseEvent	1,250	420	1,670
Communication	1,230	400	1,630

NOTE: These are initial mock-ups. The final dashboard may have differences.

FHIR Requests

→
 | | |
 | | | |

#	Time (EDT)	I/O	HTTP Method	Initiator Network	Initiator	Responder Network	Responder	Resource Count	Error	Time	Size	Audit Source	Session ID
1	03/31/2020 11:39 pm	➔	GET	eHx	Alabama Memorial (KONZA)	eHx	Marks Village Health Center (eHealth Exchange)	37		169.032	5367.68	ehxhqhin02	261377423
2	03/31/2020 11:31 pm	➔	GET	eHx	Confluence Health GWPRD01 (Epic QHIN)	eHx	The Portland Clinic GWPRD01 (eHealth Exchange)	49		346.676	6870.67	ehxhqhin01	636600785
3	03/31/2020 11:05 pm	➔	GET	CQ	Advocate Aurora Health GWPRD01 (KONZA)	CQ	DaVita HealthCare Partners Inc GW...	46		141.818	7516.44	ehxhqhin02	307566065
4	03/31/2020 10:58 pm	➔	GET	CQ	Birmingham Health Care (Epic QHIN)	CQ	Will Jones, D.O. (eHealth Exchange)	40		241.919	1957.27	ehxhqhin02	775433812
5	03/31/2020 10:40 pm	➔	GET	CQ	University of Wisconsin Health (UW ... (KONZA)	CQ	Advocate Aurora Health GWPRD01 (eHealth Exchange)	42		133.000	4825.37	ehxhqhin01	62894411
6	03/31/2020 10:37 pm	➔	GET	eHx	Advocate Aurora Health GWPRD01 (Epic QHIN)	eHx	DaVita HealthCare Partners (eHealth Exchange)	42		178.025	20573.87	ehxhqhin01	688662866
7	03/31/2020 10:34 pm	➔	GET	eHx	JCDH Central Health Center (Manifex Medex)	eHx	The Portland Clinic GWPRD01 (eHealth Exchange)	42		834.591	21695.23	ehxhqhin01	573417492
8	03/31/2020 10:21 pm	➔	GET	CQ	Tampa General Hospital GWPRD01 (Manifex Medex)	CQ	Hoag Hospital (eHealth Exchange)	42		169.077	7724.91	ehxhqhin02	295154954
9	03/31/2020 10:10 pm	➔	GET	eHx	Atlanta Medical Group (eClinical Works)	eHx	Commonwell Health Allianc (eHealth Exchange)	42		184.365	1813.60	ehxhqhin03	881329136
10	03/31/2020 9:37 pm	➔	GET	CQ	Ohio Health Information Partnershi... (GE HealthCare)	CQ	John Hopper Clinic (eHealth Exchange)	42		241.445	4221.35	ehxhqhin01	755445832
11	03/31/2020 9:17 pm	➔	GET	eHx	Scottsdale Healthcare Hospitals db... (Athena Health)	eHx	Advocate Aurora Health GWPRD01 (eHealth Exchange)	11	IHE_Response	111.084	10238.47	ehxhqhin03	781444892

Observation 12
 DiagnosticReport 8
 Patient 5
 Encounter 5
 MedicationRequest 4
 Condition 3
 Procedure 3
 AllergyIntolerance 2

NOTE: These are initial mock-ups. The final dashboard may have differences.

Dashboard Training

Training was offered in June again on September 17th.

[Access Recording →](#)



Clinical Data Exchange (CDex) Use Case

Status Update

GO LIVE ?



DA VINCI
HL7 FHIR
Clinical Data Exchange (CDex)

eHealth Exchange
CDex Task-based Approach

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



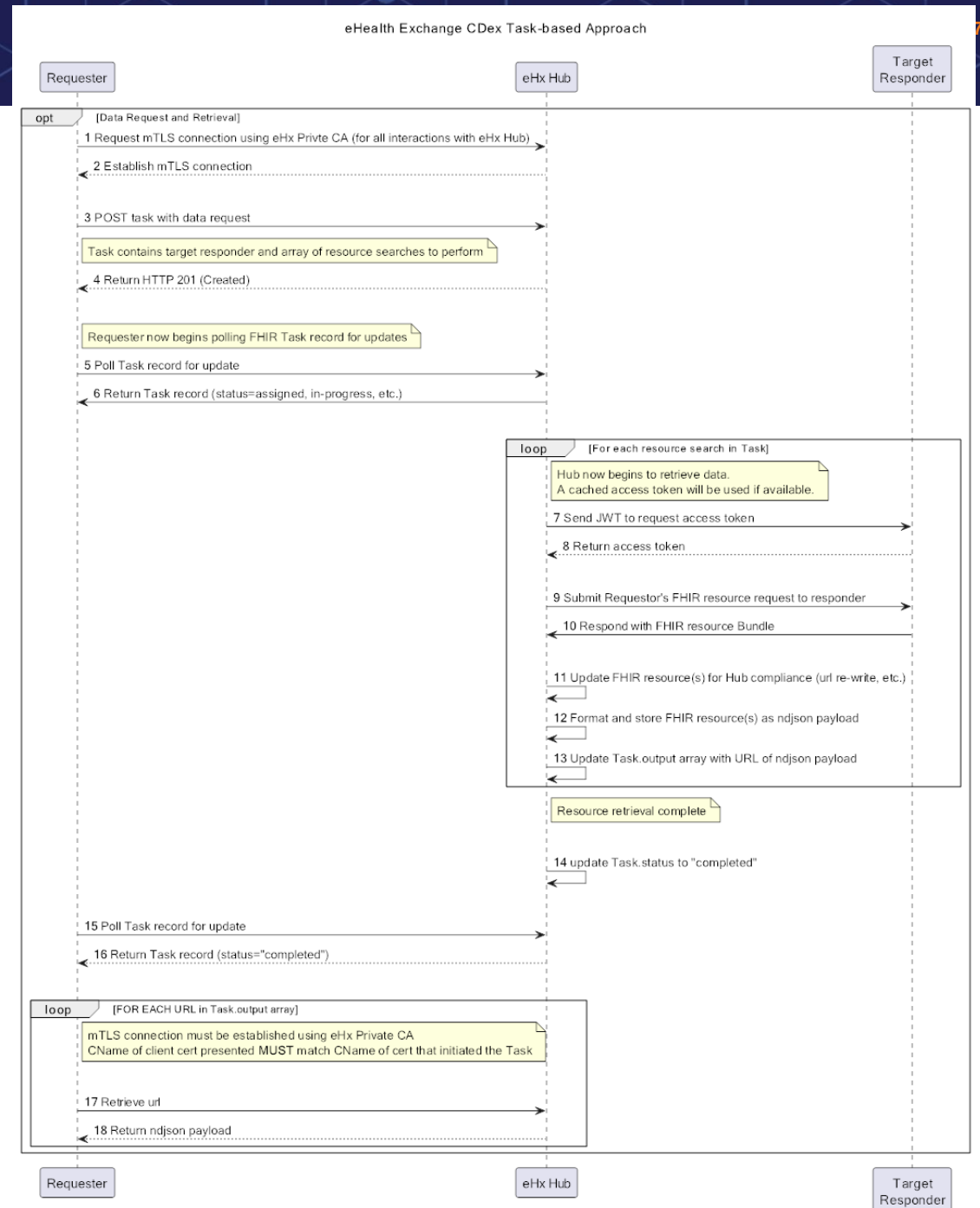
SMART®

eHealth Exchange
SMART on FHIR Proxy

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

CDex Task-based Approach

- The requestor submits a Task to the eHealth Exchange that specifies details of the data requirements
 - Identifies a responding provider
 - Identifies the FHIR resources to retrieve
- eHealth Exchange FHIR Hub retrieves all resources requested within the Task
- When Task status = “completed” requestor begins to retrieve related ndjson payload
- eHealth Exchange retains the ndjson FHIR resource data for 2 hours from the completion of the Task processing.
 - Polling interval for data retrieval is expected to be 1 hour or less.



CDex Task-based Approach – Add-on Enhancements

Pagination

Reference chasing

Dynamic Patient
\$match or
Patient search

Conditional updates & conditional references

Member Attribution Check
(Pre-process validation)

Patient search fan-out

FDA BEST Adverse Event Reporting

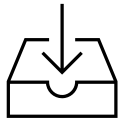
FDA Best – Solution Redesign

The FDA has migrated the solution to their HIVE environment¹



New security requirement !!!

All connections between FDA and the eHealth Exchange must be initiated by the FDA



The recently deployed CDex Task-based Approach solution aligns well with this new requirement



Most of the impending enhancements to existing CDex solution are needed by the FDA

¹ High-performance Integrated Virtual Environment

CDex Task-based Approach – Add-on Enhancements

Pagination

Reference chasing

Targeted Patient \$match or Patient search

Conditional updates & references

Member Attribution Check (Pre-process validation)

Patient search fan-out

Current FDA Best Functionality Needs

Pagination

Reference chasing

~~Targeted Patient Match or Patient Search~~

Conditional updates & references

~~Member Attribute Check (Pre-access validation)~~

Patient search fan-out

Current FDA Best Functionality

Pagination

- Page size can be controlled by client or server
- If not handled there will be gaps in data retrieval

```
{
  "resourceType": "Bundle",
  "id": "461666c1-2a1b-453a-9765-be272bdb48e9",
  "type": "searchset",
  "total": 55,
  "link": {
    "relation": "next",
    "url": "http://hapi.fhir.org/baseR4?_getpages=a78ac4cb-8d7d-446f-95c9-7e47c04e2648 &_getpagesoffset=20&_count=20&_pretty=true&_bundletype=searchset"
  },
  "entry": [
    {...}
  ]
}
```

Current FDA Best Functionality

Reference chasing

- Additional related FHIR resources that are referenced within another resource are not automatically included in search responses
- eHx currently supports a configurable “n-level” depth of chasing

```
{
  "resourceType": "Encounter",
  "id": "eeDwmAYGuZcdy.pJK7azlw3",
  "identifier": [...],
  "status": "finished",
  "class": {...},
  "type": [...],
  "subject": {
    "reference": "Patient/erXuFYUfucBZaryVksYEcmg3",
    "display": "Lopez, Camila Maria"
  },
  "participant": [
    {
      "type": [...],
      "individual": {
        "reference": "Practitioner/eM5CWtq15N0WJeuCet5bJIQ3",
        "display": "Physician Family Medicine, MD"
      }
    }
  ],
  "period": {
    "start": "2023-06-02",
    "end": "2023-06-02"
  },
  "location": [
    {
      "location": {
        "reference": "Location/e4W4rmGe9QzuGm2Dy4NBqVc0KDe6yGld6HW95UuN-Qd03",
        "display": "EMC Family Medicine"
      }
    }
  ]
}
```


Current FDA Best Functionality

Conditional updates & references

- Allows the initiator to “match” previously retrieved resources by tagging each resource with source and FHIR ID of source
- Subsequent retrievals will then “match” the corresponding resource that was created within the requestor’s FHIR Server

```

{
  "resourceType": "Bundle",
  "type": "transaction",
  "entry": [
    {
      "resource": {
        "resourceType": "Patient",
        "identifier": [
          {
            "use": "usual",
            "type": {
              "text": "Target responder name and FHIR ID"
            },
            "system":
"https://ehealthexchange.org/hub/internal/targetResponderNameAndFHIRId",
            "value": "UNCHealth:eWDo-kFfMwsYs7hAI0Y8kOw3"
          }
        ],
        "managingOrganization": {
          "reference":
"Organization?identifier=https://ehealthexchange.org/hub/internal/targetResponderNameAndFHIRId|UNCHealth:e71Y3Jy3BGG.anmvgI0LzEA3",
          "display": "UNCHCS SERVICE AREA"
        }
      },
      "request": {
        "method": "PUT",
        "url":
"Patient?identifier=https://ehealthexchange.org/hub/internal/targetResponderNameAndFHIRId|UNCHealth:eWDo-kFfMwsYs7hAI0Y8kOw3"
      }
    }
  ]
}

```

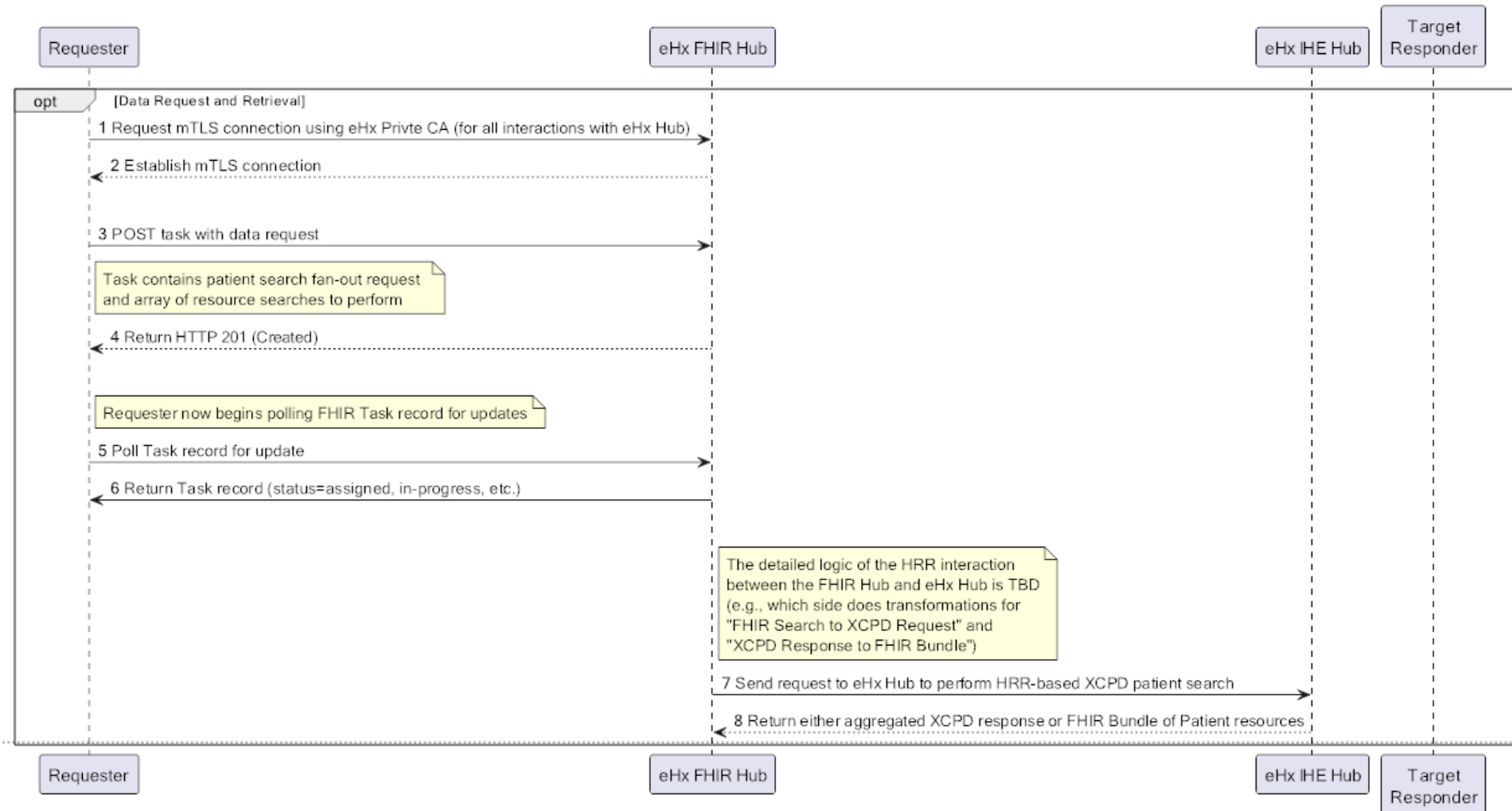
Current FDA Best Functionality

Patient search fan-out

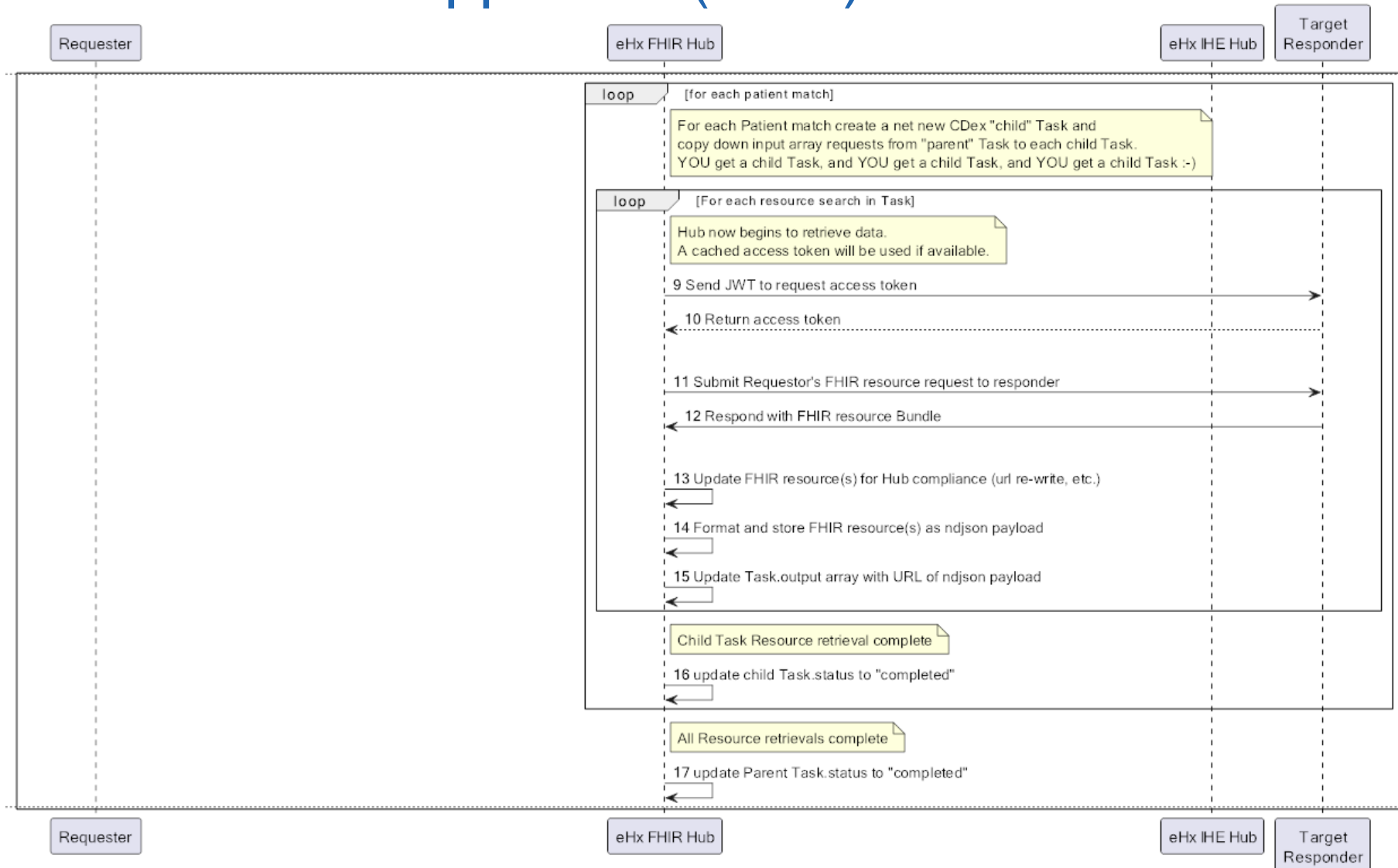
- Currently fan-out targets are identified by state of operation
- New CDex approach: given sufficient patient demographics, leverage eHealth Exchange Hub's Hospital Referral Region fan-out to identify location where Patient is matched. For each match, retrieve all requested data per the CDex Task's "instructions"

CDex Patient Fan-Out Approach

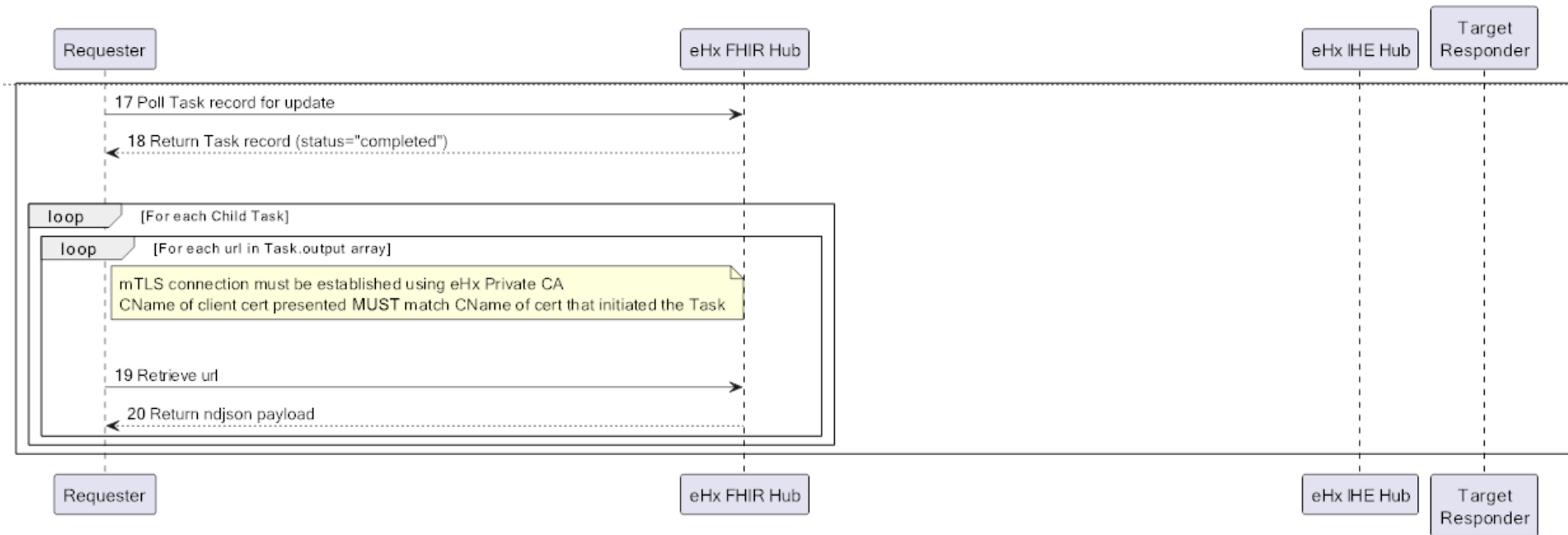
eHealth Exchange CDex Task-based Approach



CDex Patient Fan-Out Approach (cont.)



CDex Patient Fan-Out Approach (cont.)



Directory API Tips and Tricks

Best practices when querying the Directory

- Query with an “active=true” parameter
 - Directory entries with “active=false” are unapproved or temporarily unavailable and not ready to query
 - Unlike the legacy directories, if you don’t specify a value for “active“, then the default is not “active=true”. Entries will be returned with active set to true and false if the active parameter is not specified.
- Query for Participant entries if you don’t want to retrieve Subparticipant entries
 - Query parameter/value for Participant entries:
type=https://sequoiaproject.org/fhir/sphd/CodeSystem/OrganizationType%7CParticipant
 - Note: %7C is an URL encoded pipe character (“|”)
 - NOTE: Subparticipant entries typically represent provider locations such as a hospital or clinic. They may be used for “geofencing” requests and they also helps clinicians determine whether they should query a participant, by providing the name of a hospital, clinic or doctor’s office. Subparticipant entries do not currently provide endpoints to make a connection, but it is very likely that they will in the future.
 - There are **over 26,000 entries** in the production directory, but **only 356** represent Participant entries.

Best practices when querying the Directory

- Query for directory entries that you manage or a participant's entries
 - The org-managing-org element defines the participant that manages a set of directory entries. The search parameter name is “managingOrg” and additional parameter filters may be used. Here are some examples:
 - All directory entries managed by the participant Health Gorilla:
 - [https://directory.pr.d.ehealthexchange.org/fhir/Organization/\\$hub-aware?_apiKey={{PROD_HAPI_API_KEY}}&format=json&active=true&count=200&managingOrg=1.3.6.1.4.1.52618.1](https://directory.pr.d.ehealthexchange.org/fhir/Organization/$hub-aware?_apiKey={{PROD_HAPI_API_KEY}}&format=json&active=true&count=200&managingOrg=1.3.6.1.4.1.52618.1)
 - All Health Gorilla managed directory entries that have been updated since the beginning of this year:
 - [https://directory.pr.d.ehealthexchange.org/fhir/Organization/\\$hub-aware?_apiKey={{PROD_HAPI_API_KEY}}&format=json&active=true&managingOrg=1.3.6.1.4.1.52618.1&lastUpdated=ge2024-01-01T00:00:00%2B00:00](https://directory.pr.d.ehealthexchange.org/fhir/Organization/$hub-aware?_apiKey={{PROD_HAPI_API_KEY}}&format=json&active=true&managingOrg=1.3.6.1.4.1.52618.1&lastUpdated=ge2024-01-01T00:00:00%2B00:00)
- Find the hierarchy of all directory entries below a certain entry
 - Use the custom \$org-hierarchy operation
 - For example, the hierarchy of all entries for Health Gorilla:
 - [https://directory.pr.d.ehealthexchange.org/fhir/Organization/1.3.6.1.4.1.52618.1/\\$org-hierarchy?_apiKey={{PROD_HAPI_API_KEY}}](https://directory.pr.d.ehealthexchange.org/fhir/Organization/1.3.6.1.4.1.52618.1/$org-hierarchy?_apiKey={{PROD_HAPI_API_KEY}})
 - CAUTION: This custom operation does not accept any additional parameter filters, such as “active” or “_lastUpdated”.

Best practices when querying the Directory

- Don't forget that Hub endpoints are needed to query another participant, so you need to use the custom \$hub-aware operation.
- For example, this query will return the first 500 entries in the directory and provide Hub endpoints:

[https://directory.prd.ehealthexchange.org/fhir/Organization/\\$hub-aware?_apiKey=<INSERT_API_KEY>&format=json](https://directory.prd.ehealthexchange.org/fhir/Organization/$hub-aware?_apiKey=<INSERT_API_KEY>&format=json)

- Note: the `_count` parameter is not specified in the query above, so the default paging size is 500 records.

Best practices when querying the Directory - paging

- Directory paging
 - The directories have a paging feature which adheres to the paging behavior specified by FHIR R4 – see <http://hl7.org/fhir/R4/search.html#count>
 - The directory is currently set to a default page size of 500, so by default, 500 records will be returned for a single response. You can return less records in a response by setting the `_count` parameter to a value lower than 500.
 - Currently, the maximum page size is larger than all the records in the directory, but in the future, the maximum will be set to approximately 1000, and you will not be able to increase the page size beyond 1000 using the `_count` parameter.

Best practices when querying the Directory - paging

- Directory paging example:
 - First request to the directory returns 1,000 records, using the following query:
 - https://directory.prn.ehealthexchange.org/fhir/Organization?_format=json&_count=1000&_apiKey={{PROD_HAPI_API_KEY}}
 - In the response to the first request (see below), use the URL provided by “next” and add the _apiKey parameter in your next request. Continue making requests to the directory in this manner until the response does not provide a “next”.

```
{
  "resourceType": "Bundle",
  "id": "fe352b82-3474-4d54-b245-826f89de73c0",
  "meta": {
    "lastUpdated": "2024-09-17T22:43:55.331+00:00"
  },
  "type": "searchset",
  "link": [
    {
      "relation": "self",
      "url": "https://directory.prn.ehealthexchange.org/fhir/Organization? count=1000& format=json"
    },
    {
      "relation": "next",
      "url": "https://directory.prn.ehealthexchange.org/fhir? getpages=fe352b82-3474-4d54-b245-826f89de73c0& getpagesoffset=1000& count=1000& format=json& pretty=true& bundletype=searchset"
    }
  ],
  "entry": [
    {
```

Directory best practices – logical deletion of directory entries

With the legacy directories, when a directory entry was inactivated and should no longer be consumed, we set the “active” element to false.

With the new HAPI directories, the following is done instead:

- The “active” element set to false now indicates that a directory entry is pending eHealth Exchange approval. An “active=false” entry should **not** be consumed by directory clients as it has not been approved.
- When a directory entry is removed from the HAPI directories, it will be logically deleted using HTTP DELETE and can no longer be found using a directory search for Organization entries.
- Logically deleted entries can be discovered by querying with a \$status-changes operation, with an optional date range and “deleted=true” parameter.
- If the “deleted=true” option is used, then results will only be returned if the last state of a directory entry is deleted within the timeframe specified by the query. For example:
 - If a directory entry is not deleted on 3/1, is deleted on 3/15 and is re-activated on 3/20:
 - The directory entry will be included in the results if the “end” date for the query is 3/16.
 - If the “end” date for the query is 3/21, then it will not be included in the results, because the entry was re-activated and is no longer deleted within that timeframe.

Directory best practices – logical deletion of directory entries

- A simple FHIR R4 search query example using \$status-changes is:
 - [https://directory.val.ehealthexchange.org/fhir/Organization/\\$status-changes](https://directory.val.ehealthexchange.org/fhir/Organization/$status-changes)
- A FHIR R4 search query that uses \$status-changes with a timeframe and the “deleted=true” option:
 - [https://directory.val.ehealthexchange.org/fhir/Organization/\\$status-changes?deleted=true&start=2023-03-01T20:00:00&end=2023-03-16T23:59:59](https://directory.val.ehealthexchange.org/fhir/Organization/$status-changes?deleted=true&start=2023-03-01T20:00:00&end=2023-03-16T23:59:59)
- The response to the \$status-changes query is a FHIR List. An example of the response content is below:

```
<List>
  <status value="current"/>
  <mode value="changes"/>
  <date value="2023-05-18T17:05:01+00:00"/>
  <entry>
    <flag>
      <coding>
        <system value="http://terminology.hl7.org/CodeSystem/iso-21089-lifecycle"/>
        <code value="deprecate"/>
      </coding>
    </flag>
    <date value="2023-05-03T22:44:49+00:00"/>
    <item>
      <identifier>
        <system value="urn:ietf:rfc:3986"/>
        <value value="urn:oid:2.16.840.1.113883.3.3703"/>
      </identifier>
    </item>
  </entry>
```

- As per the example, the code of “deprecate” indicates the entry has been deleted.
- The XPath for the HCID of the deleted entry is: /List/entry/item/identifier/value/@value

Directory Portal

Directory Portal Update

The Directory Portal is a user Interface that helps eHealth Exchange manage the directory for the eHealth Exchange network and eHealth Exchange QHIN directory for the TEFCA network. It is a means of conveying the technical information needed to make connections to eHealth Exchange participants.

- Currently in use by eHealth Exchange staff
- Four participant pilots beginning end of September
- Revisit functionality if necessary and roll out later this year

Coordinating Committee Elections

2024 Coordinating Committee (CC) Seats

	Representative	Term Date
HIO	Dan Paoletti	9/30/2026
	John Kansky	9/30/2026
	Pam Matthews	9/30/2027
IDN	Patti Cuartas, PA	9/30/2026
	Matt Eisenberg, MD	9/30/2025
	Paul Matthews	9/30/2025
Other	Arun Gopalan	9/30/2026
	Julie Riddler	9/30/2027
	Sheryl Turney	9/30/2027



Derek Plansky!

Welcome to the Coordinating Committee!

Julie Riddler – Johns Hopkins
Ambulatory (Other)





OPP #17 Sub-Participant Identification to Support Trust and Transparency

OPP #17 Sub-Participant Identification Information Webinar

This OPP went into effect July 25, 2025. The policy requires participants to populate the eHealth Exchange directory with sub-participants and update messages to identify the entity/organization originating the request for data by November 25, 2024.

If you were unable to join one of the webinars, you can now access the slides and watch the recording for more details.

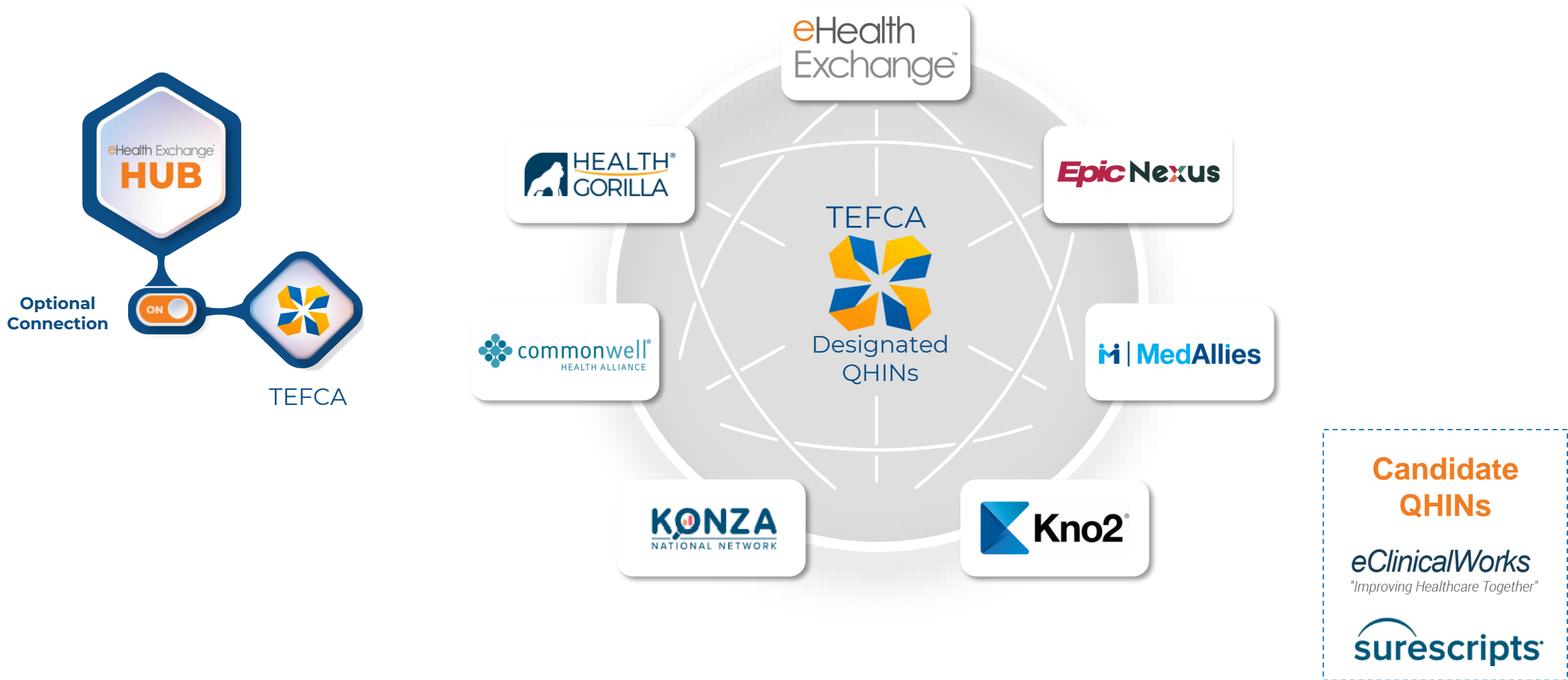
[Watch Recording →](#)

[View Slides →](#)



QHIN Update

Designated Qualified Health Information Networks

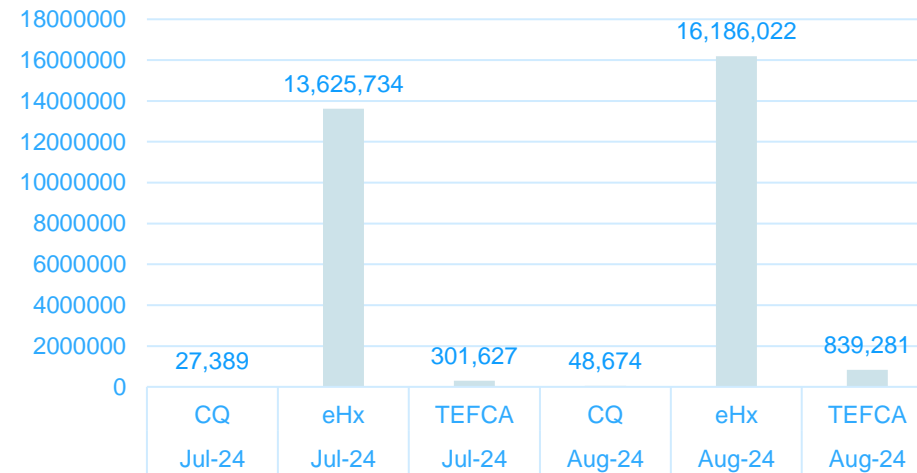


New Public Health Use Cases

Public Health Query-based Exchange

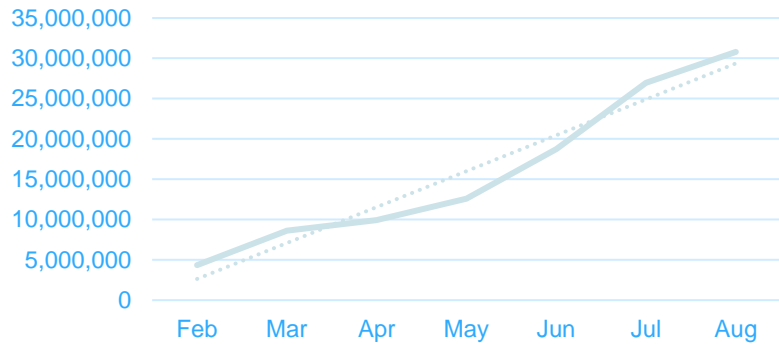
15 total requests initiated by eHx QHIN Participants in August

Message Delivery Trends

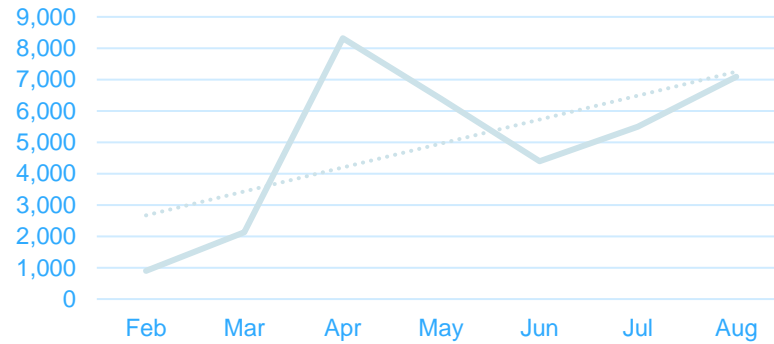


eHealth Exchange QHIN Volume Metrics

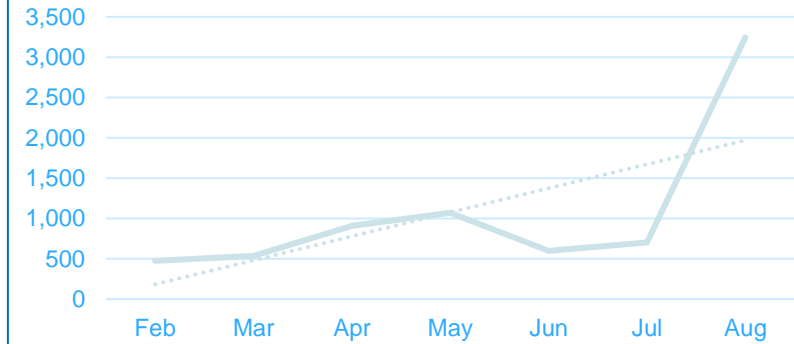
Patient Discovery Requests
Received from TEFCANetwork



Document Query Requests
Received from TEFCANetwork



Document Retrieve Requests
Received from TEFCANetwork



QHIN-to-QHIN Exchange

2024 Performance Measures

eHx began to initiate on TEFCA on July 1st,
and now must provide initiator gateway metrics

Performance Measures

In order to accurately measure the effectiveness of QHIN-to-QHIN exchange, the RCE will collect several performance measures from QHINs. These data are meant to assess the performance of QHINs for each use case. The measures by themselves will not directly impact a QHIN's Designation status.

QTF-124

The following data **MUST** be submitted to the RCE for each calendar month by the 15th of the following month:

- 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.
- As a QHIN Initiating Gateway:
 - a. Raw count of successful (i.e., completed without error) QHIN-to-QHIN transactions, per Responding QHIN, within the reporting period for each of:
 1. Patient discovery
 2. Document query
 3. Document retrieve
 4. Message delivery
 - b. Raw count of errors in QHIN-to-QHIN transactions, per Responding QHIN per IHE metadata error code received within the reporting period.
 - c. Raw count of connectivity errors per Responding QHIN received within the reporting period.
 - d. Average response time for each QHIN-to-QHIN transaction, per Responding QHIN transacted with during the reporting period. Each data point must include the message type, average response time, and Responding QHIN.
 - e. Total number of documents retrieved via QHIN Query within the reporting period.
 - f. Total number of documents successfully delivered via Message Delivery within the reporting period.
- As a QHIN Responding Gateway:
 - a. Average response time for each QHIN-Participant transaction by HCID within the reporting period.
 - b. Total number of messages received via QHIN Message Delivery within the reporting period.

QHIN-to-QHIN Exchange 2024 Performance Measures

Submitted (Aug)

eHx QHIN Hub latency issue was identified in late August

The issue was mitigated, and operational monitoring has been enhanced

As Responding Gateway

Average response time for each QHIN-Participant transaction by HCID

YYYY-MM	eHx Responding	eHx Responding	Message	Average
2024-08	ALOHR	1.3.6.1.4.1.38694	ITI-55	2.04
2024-08	ALOHR	1.3.6.1.4.1.38694	ITI-38	0.70
2024-08	ALOHR	1.3.6.1.4.1.38694	ITI-39	5.84
2024-08	ALOHR	1.3.6.1.4.1.38694	ITI-80	n/a
2024-08	CRISP	2.16.840.1.113883.3.651	ITI-55	6.38
2024-08	CRISP	2.16.840.1.113883.3.651	ITI-38	1.53
2024-08	CRISP	2.16.840.1.113883.3.651	ITI-39	n/a
2024-08	CRISP	2.16.840.1.113883.3.651	ITI-80	n/a
2024-08	APHL	2.16.840.1.114222.4.3.4.52.1	ITI-80	0.62

Total number of messages received via QHIN Message Delivery

YYYY-MM	Documents
2024-08	416,616

Submitted (Aug)

As Initiating Gateway

QHIN-to-QHIN Exchange 2024 Performance Measures

Successful QHIN-to-QHIN Transactions

YYYY-MM	Responder	Patient Discovery	Document Query	Document Retrieve	Message Delivery
2024-08	Epic Nexus	8	0	0	415,318
2024-08	MedAllies	4	3	0	0

Raw count of errors in QHIN-to-QHIN transactions

YYYY-MM	Responder	ApplicationError	XSDuplicate UniqueIdInRegistry	XDSRegistryError	XDSRepository MetadataError
2024-08	Epic Nexus		7	14	90
2024-08	KONZA	4			

Raw count of connectivity errors per Responding QHIN

YYYY-MM	Epic Nexus	Health Gorilla	KONZA	MedAllies	Kno2	Commonwell
2024-08	95	0	0	0	0	0

Average response time for each QHIN-to-QHIN transaction

YYYY-MM	Responding	Message	Average
2024-08	Epic Nexus	ITI-55	0.15
2024-08	Epic Nexus	ITI-80	0.87
2024-08	MedAllies	ITI-55	0.44
2024-08	MedAllies	ITI-38	0.27

Total number of documents retrieved

YYYY-MM	Documents
2024-08	0

Total number of documents successfully delivered via Message Delivery

YYYY-MM	Documents
2024-08	422,591

eHealth Exchange QHIN Participant Stages

Exchanging PHI



Testing



Intent to Participate



Upcoming TEFCA SOP Information Webinars

Webinar #4

Sept 24th | 11am-12pm

Facilitated FHIR Implementation
Follow-up Topics from previous
sessions

[Register Now →](#)

Webinar #6

Oct 16th | 3-4pm

Health Care Operations Implementation SOP
and Technical Requirements

[Register Now →](#)

Webinar #5

Oct 8th | 1-2pm

Public Health Implementation
SOP
and Technical Requirements

[Register Now →](#)



On Demand TEFCA SOP Information Webinars

1. Exchange Purposes and Treatment Implementation
2. Delegation of Authority SOP and Directory Implementation
3. eHealth Exchange TEFCA Security Protocol and Security Incident Reporting SOP

[View slides and watch recordings →](#)



Events & Other News

Upcoming Events

October

[Civitas Annual Meeting](#)

October 15-17, 2024 | Detroit, MI

Exhibiting & Speaking

[WEDI National Conference](#)

October 15-17, 2024 | Washington, DC

Speaking: Jay Nakashima

November

[NCQA Health Innovation Summit](#)

October 31- November 2, 2024 |

Nashville, TN

Exhibiting Booth #415

December

[eHealth Exchange Annual Meeting](#)



No December All Participant Call!



eHealth Exchange
**ANNUAL
MEETING**
NASHVILLE ★ TN
DECEMBER **10** 2024

Registration
NOW OPEN

ehealthexchange.org/annual-meeting

Join Us!

Hotel Information Embassy Suites by Hilton Downtown Nashville

708 Demonbreun Street
Nashville, TN 37203

Room Rate

\$249 + taxes/night

(available until November 19, 2024)

[Annual Meetings 2024 - Start your reservation \(passkey.com\)](https://passkey.com)



Sponsorship Prospectus Available



Sponsorship	Cost
Reception Sponsorship	SOLD
Entertainment Sponsorship	\$4,000
Wi-Fi Sponsorship	SOLD
Break Sponsorship	\$2,000
Advocate Sponsorship	\$1,000

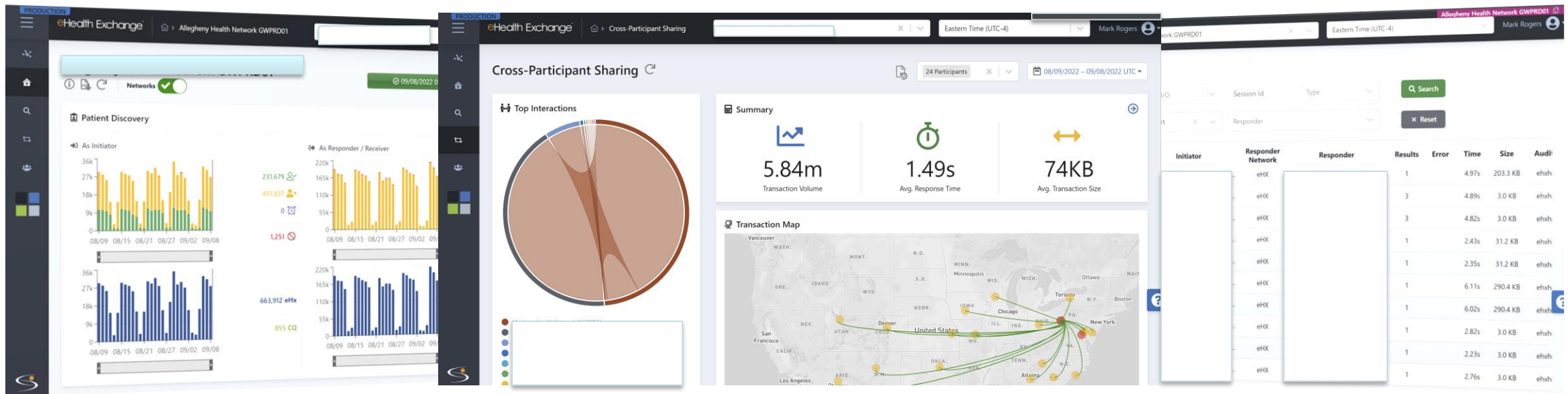
Information & Resources

Contacts for Your Organization

We want to ensure that we are reaching the right people at your organization with our communications.

- If you have had recent or past changes and are unsure if we have an updated list: email administrator@ehealthexchange.org requesting the Contact List Template to complete and return.
- The template asks name, title, phone number, email address, and what type of emails the resource should receive.
- This will assist eHealth Exchange and each Participant in knowing that the communication we send is received appropriately.

Your Hub Dashboard – Your web portal providing interoperability insights.

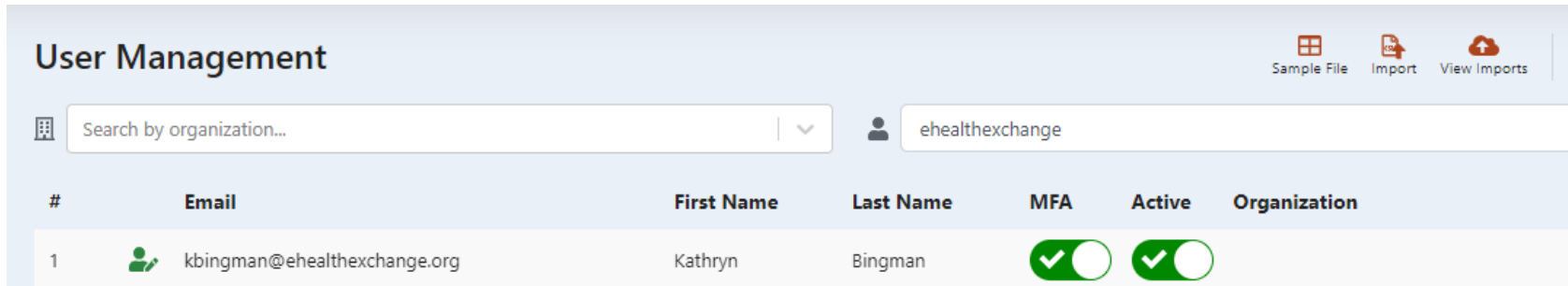


- Identify transaction volume, response times, drill-down, & download.
- Who is querying your organization?
- Where are your clinicians searching?
- How much care occurs outside your organization?


Access Hub Dashboard: <https://insightsprod.ehealthexchange.org/#/hub>

Hub Dashboard Access

Don't forget to maintain your Hub Dashboard accounts! If nobody at your organization currently has the rights to add/remove Dashboard accounts, please reach out to us at administrator@ehealthexchange.org.



The screenshot shows the 'User Management' interface. At the top right, there are navigation links: 'Sample File', 'Import', and 'View Imports'. Below the title, there is a search bar labeled 'Search by organization...' and a user selection dropdown currently showing 'ehealthexchange'. The main content is a table with the following columns: '#', 'Email', 'First Name', 'Last Name', 'MFA', 'Active', and 'Organization'. One user is listed with ID '1', email 'kbingman@ehealthexchange.org', first name 'Kathryn', last name 'Bingman', and both MFA and Active status toggles are turned on.

#	Email	First Name	Last Name	MFA	Active	Organization
1	 kbingman@ehealthexchange.org	Kathryn	Bingman	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Weekly Technical Work Group

Thursdays 4-5pm Eastern: email administrator@ehealthexchange.org for an invite

Typical Topics:

1. Technical Specifications
2. Testing
3. Hub Updates
4. Capacity planning [Final Thursday each month]

Request an invite: <https://ehealthexchange.org/technical-workgroup-form/>

How might I obtain assistance?

What	Who	How
Certificates	DirectTrust Support	support@directtrust.zohodesk.com
Hub and Hub Dashboard Assistance	Hub Service Desk	servicedesk@hub.ehealthexchange.org
Directory Assistance, setup, changes	Tech Support	techsupport@ehealthexchange.org
Testing Questions	Testing Team	testing@ehealthexchange.org
Questions about the DURSA, policy, or anything else!	Administrator	administrator@ehealthexchange.org

Visit: <https://ehealthexchange.org/contact-us/>



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