



Session 3

CMS Interoperability Planning Collaborative

May 17, 2022



CMS Interoperability Planning Collaborative

- Collaboration among counties to meet new CMS data sharing requirements
- Create strategic planning roadmap

52 COUNTIES participating

Key Program Activities

- Group discussion and sharing
- Subject matter experts, health plan and industry references
- Resources and templates

Special Thank You and Acknowledgement

This program is supported by a grant from the California Health Care Foundation.



California
Health Care
Foundation

CMS Interoperability Planning Collaborative

	Meeting Topics and Focus	Schedule
	<ul style="list-style-type: none">• CMS Interoperability primer (optional)	March 29
#1	<ul style="list-style-type: none">• FAQs from Primer and Compliance Updates• Market summary and lessons• County considerations	April 5
#2	<ul style="list-style-type: none">• Recap and Key Takeaways So Far• Some Questions• Data Requirements	April 26
#3	<ul style="list-style-type: none">• Recap about Data Requirements• Some Questions and Survey Responses• Consumer consent, 3rd-party App Registration	May 17
#4	<ul style="list-style-type: none">• Recap about Consent and App Registration• Some Questions and Survey Responses• Lessons and feedback from Medi-Cal health plans	Mid June
#5	<ul style="list-style-type: none">• Final group discussion• Feedback on draft work plan and next steps	Mid/ late July

Admin Stuff

Program email

- interoperability@calmhsa.org

Program materials and resources

- <https://www.calmhsa.org/cms-interoperability-planning>

The screenshot shows a web browser window displaying the California Mental Health Services Authority (CalMHSA) website. The page title is "CMS Interoperability Planning". The header includes the CalMHSA logo and navigation links: "About Us", "Members", "Programs", "CalAIM", "Announcements", and "Contact". A "Members Login" button is also visible. The main content area features a large image of a rocky coastline at sunset. Below the image, there is a section titled "CMS Interoperability Planning" with the following text:

The primary purpose of this program is to support a collaborative approach for county behavioral health agencies to begin necessary planning efforts that meet the data interoperability requirements of California Medi-Cal managed care entities serving the Medi-Cal population.

The project will consist of six webinars from the period of March through July 2022 hosted by CalMHSA and KN Consulting with participation from various subject matter experts. The webinars will establish a baseline understanding of the interoperability business requirements, a mini-gap analysis, highlight valuable lessons learned from previous implementation, and move toward helping counties create a planning roadmap to meet their target completion dates.

This project is made possible by a grant from the California Healthcare Foundation.

**CMS Interoperability Planning Webinars:
(For County Participants Only)**

Session	Date
Primer (optional) <ul style="list-style-type: none">• Primer Recording• Slides	March 31, 2022 9AM-10:30AM PST
Session 1 <ul style="list-style-type: none">• Session 1 Recording• Slides	April 5, 2022 11AM-12:30PM PST

Program Staff and Guest Speakers



Khoa Nguyen
CEO, KN Consulting LLC
Project Director



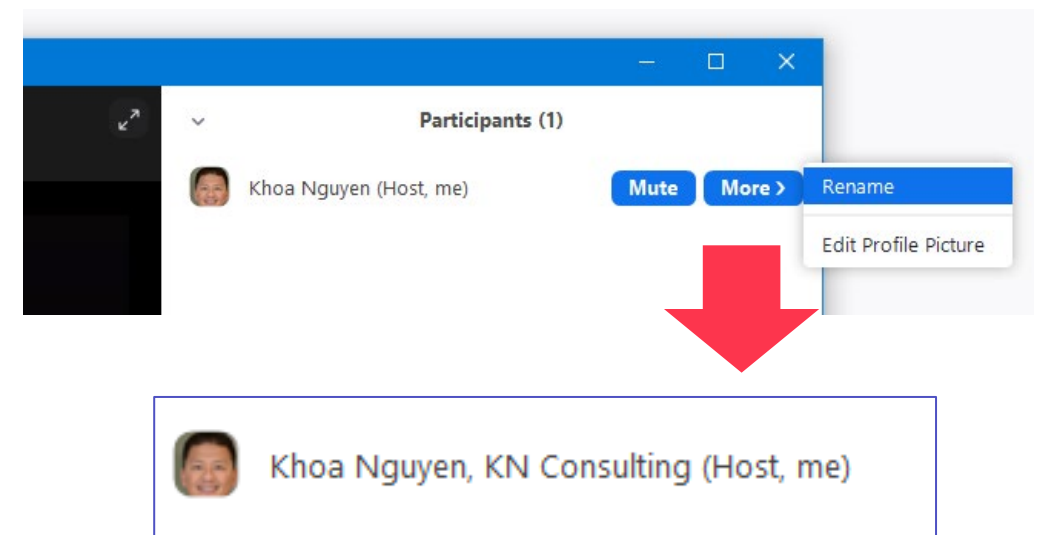
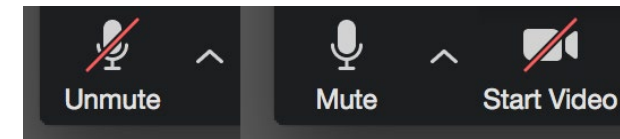
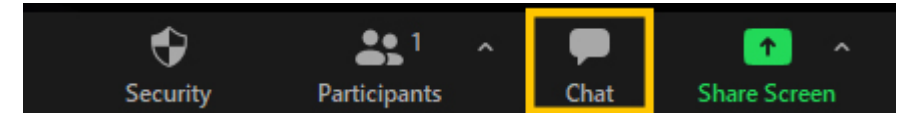
Dr. Chris Esguerra
Chief Medical Officer
Health Plan of San Mateo



Mark Scrimshire
Chief Interoperability Officer,
Onyx Health

Zoom Logistics

- Everyone will be muted to start
- Submit questions/comments in chat
- Unmute – through Zoom or phone (*6)
- Video is encouraged
- **Zoom name display**
 - Participants menu
 - Name, county/ organization

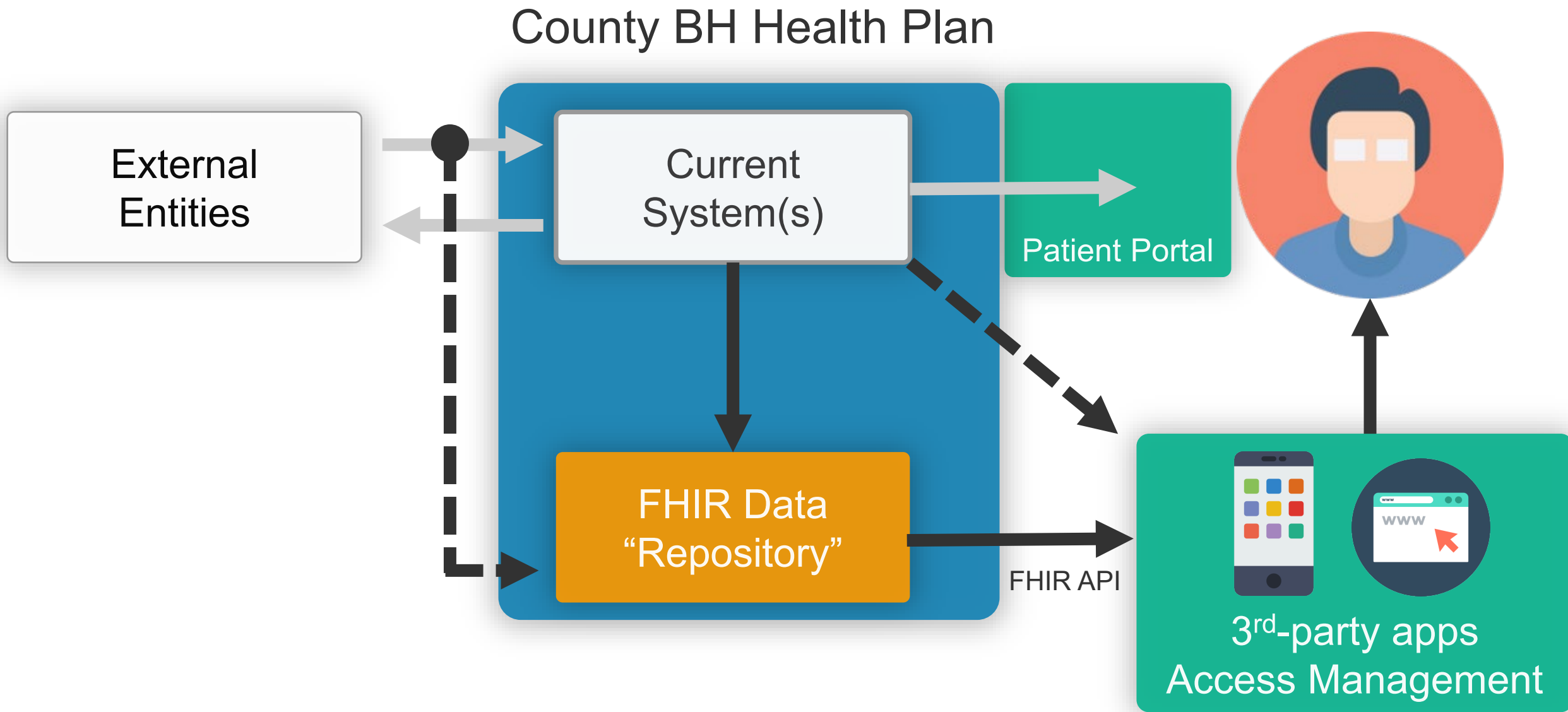


Today's Agenda and Discussion Framework

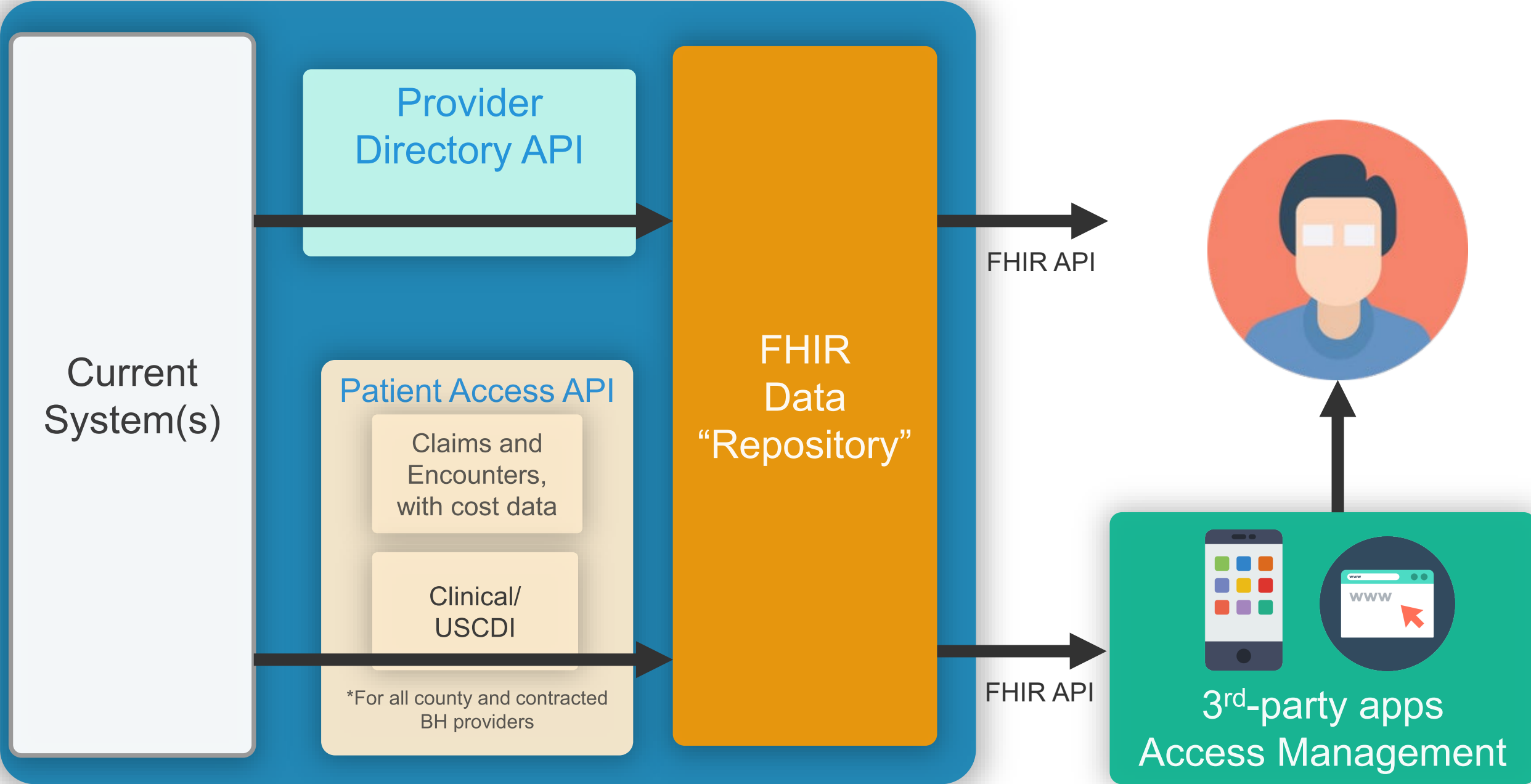
Program Goal – start the planning process

- Welcome and Admin Stuff
- Recap and Responses to Data Requirements
- 3rd-party App Registration and Client Consent
- Some Questions and Implications for Planning

Overview of Data Flow

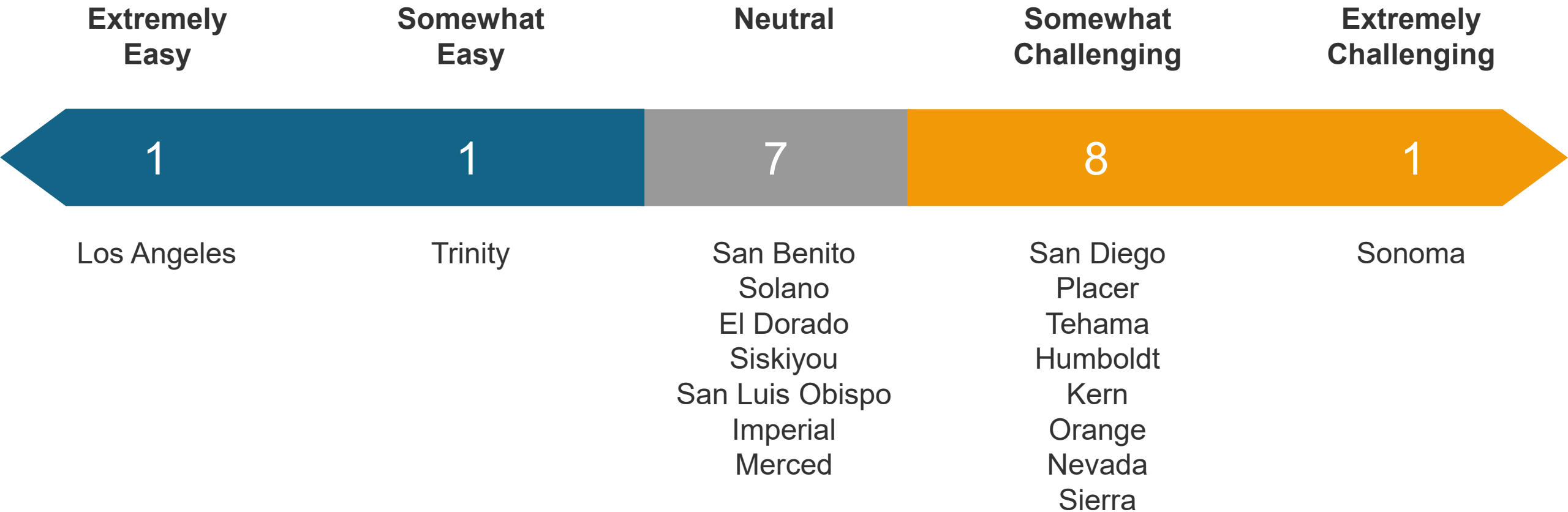


County BH Plan



Survey Question: Provider Network Data Requirements

18 county responses



Humboldt County Provider Directory (online PDF)

<https://humboldt.gov/DocumentCenter/View/51672/Provider-Directory-PDF?bidId=>

Humboldt County Behavioral Health Provider List

In order to obtain information about how to access services, please call our toll-free, 24/7 Access Line at 1-888-849-5728. Services may be delivered by an individual provider, or a team of providers, who is working under the direction of a licensed practitioner operating within their scope of practice. Only licensed, waived, or registered mental health providers and licensed substance use disorder services providers are listed on the Plan's provider directory.

Humboldt County Behavioral Health - Behavioral Health Counseling Clinic

231 2nd Street | Eureka, CA 95501 | (707) 268-2900 | <https://humboldt.gov/406/Adult-Behavioral-Health-Services>
NPI#1063657666

Name / License	Client Population / Specialty	Service Specialty	Accepting New Clients
Deanna Bay, LPCC 5914 Behavioral Health Clinician NPI#1962860866	Adults	Specialty Mental Health Services	Yes

Languages: All languages spoken by Humboldt County Medi-Cal Beneficiaries via Language Line services

Cultural Capabilities: Able to accommodate various client cultures

Disability Accommodations: Yes

Cultural Competence Training Completed: Yes

Name / License	Client Population / Specialty	Service Specialty	Accepting New Clients
Jennifer Blair, LMFT 45339 Behavioral Health Clinician NPI#1497800353	Adults	Specialty Mental Health Services	Yes

Languages: All languages spoken by Humboldt County Medi-Cal Beneficiaries via Language Line services

Cultural Capabilities: Able to accommodate various client cultures

Disability Accommodations: Yes

Cultural Competence Training Completed: Yes

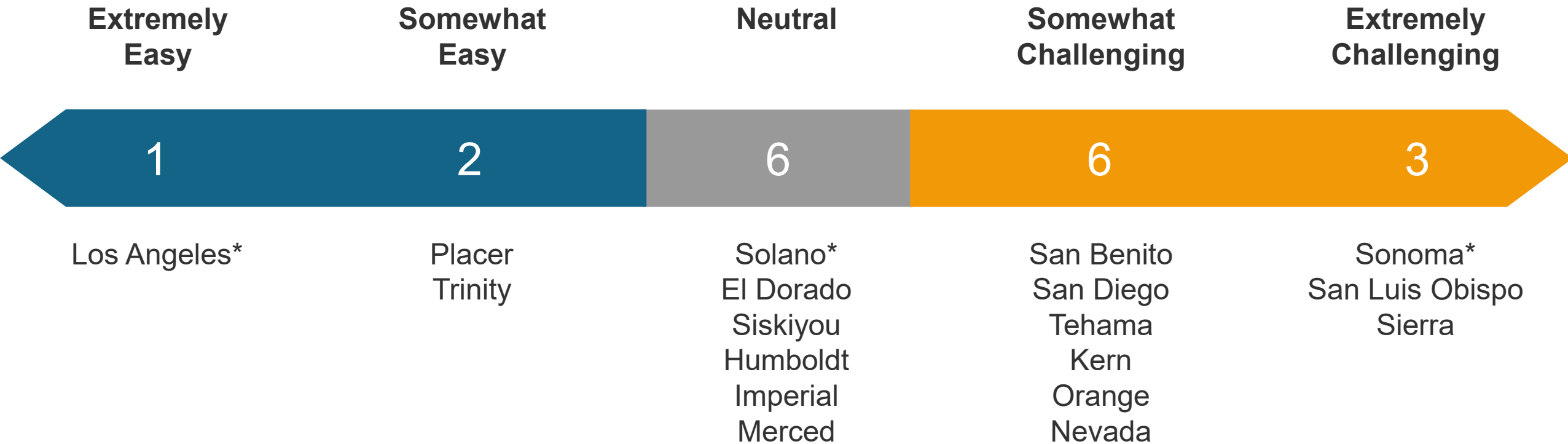
Provider Directory API Data Requirements

1. Name
2. Address
3. Phone #
4. Provider Specialty

- Updated within 30 days of receiving changes (i.e., update every month)
- Publicly available to any 3rd-party app – no client consent

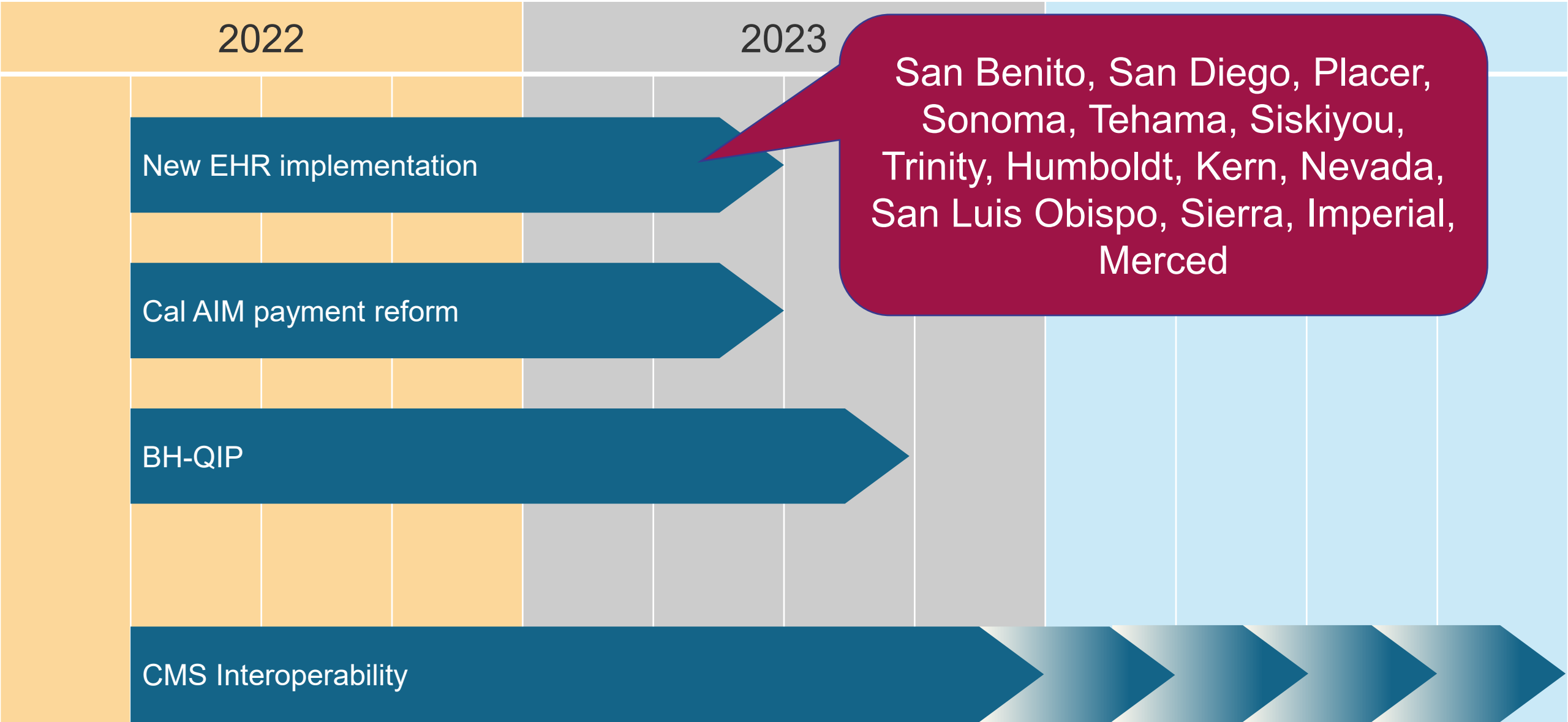
Survey Question: Claims/ Encounter Data Requirements

18 county responses



* County does not have DMC-ODS.

No Earlier than 2024 for CMS Interoperability



Considerations for CMS Interoperability Timelines

Phased Approach

2022

- Builds on existing PDF and 274 project
- No consumer consent, no PHI or patient-level data – no issues with privacy
- Low cost to implement

2024

Provider Directory API

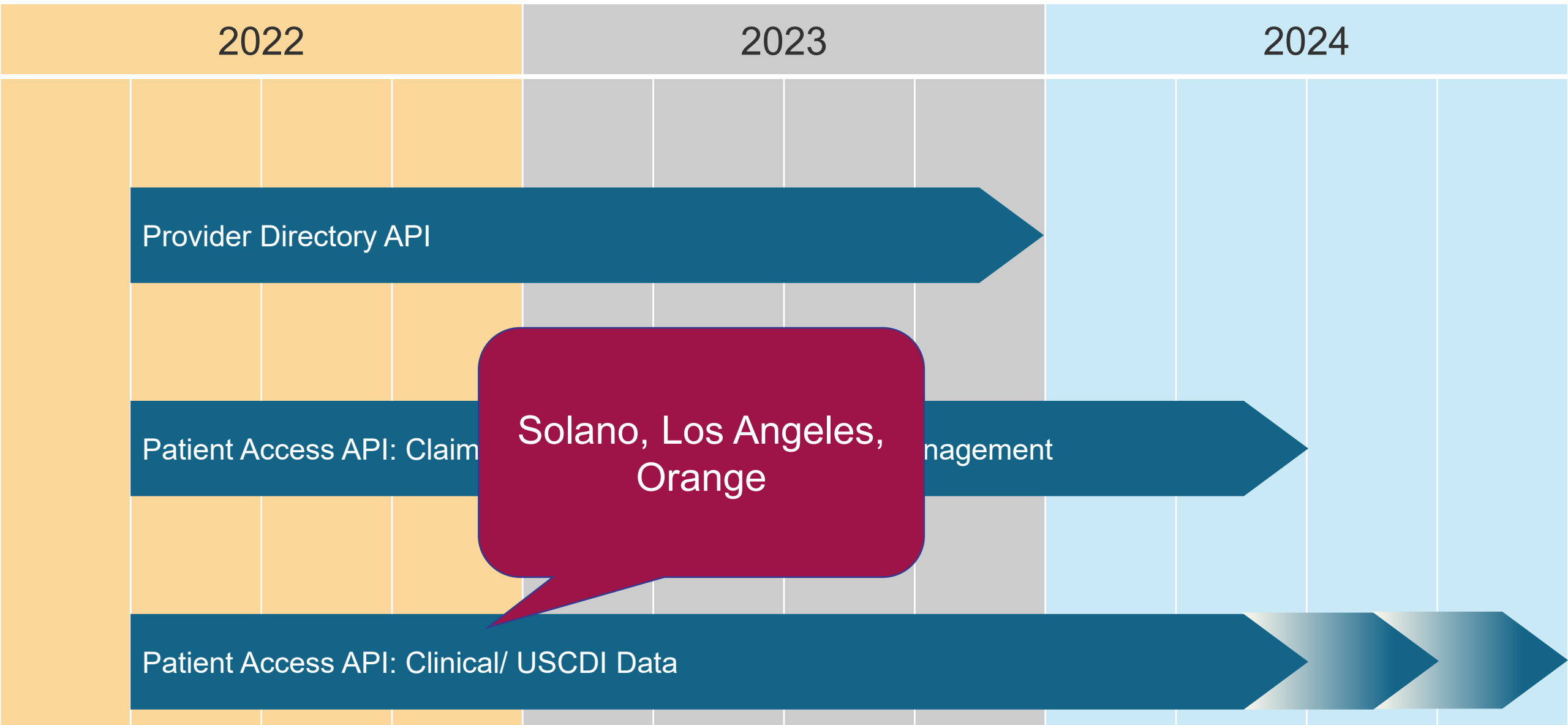
Patient Access API: Claims/ Encounter Data and Access Management

EHR source data, potential for IDP/ authentication, and new EHR implementations

Patient Access API: Clinical/ USCDI Data (new/ current EHR implementations)

Considerations for CMS Interoperability Timelines

Phased Approach



2022

2023

2024

Provider Directory API

Patient Access API: Claims Management

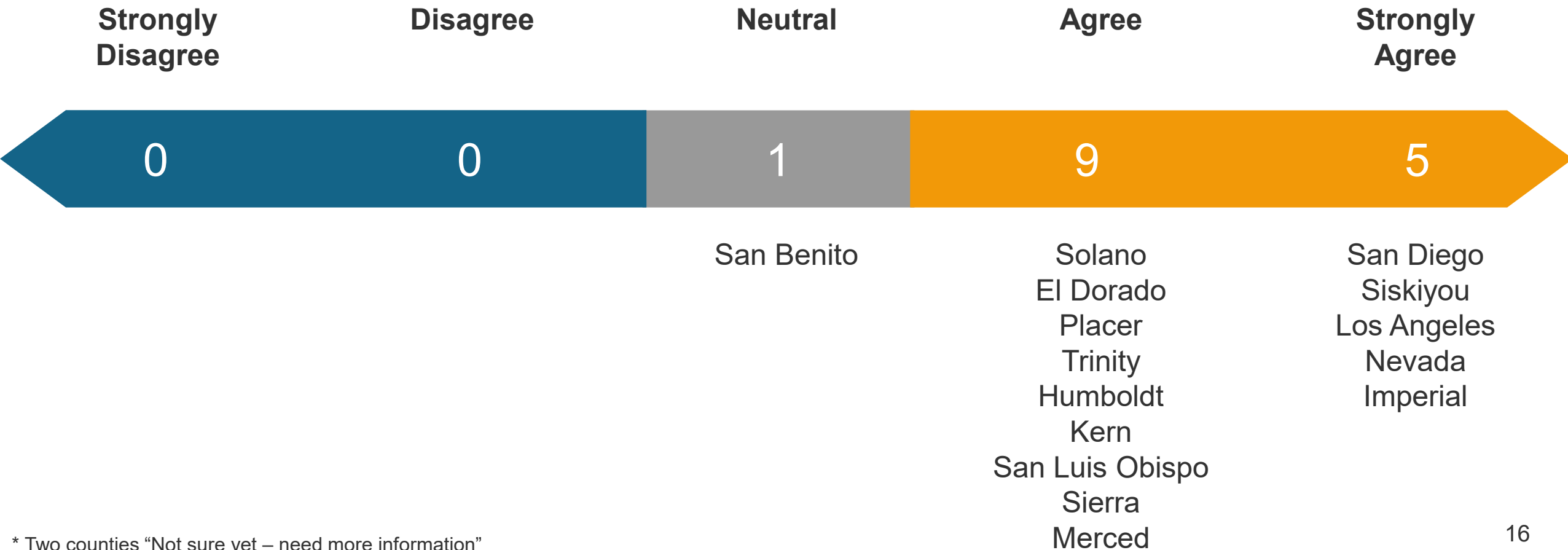
Solano, Los Angeles, Orange

Patient Access API: Clinical/ USCDI Data

Phased Approach to Implementation of CMS Interoperability

18 county responses

Provider Directory >> Claims/ Encounter Data & Consent/ 3rd-part Apps >> Clinical Data



* Two counties "Not sure yet – need more information"

Q&A

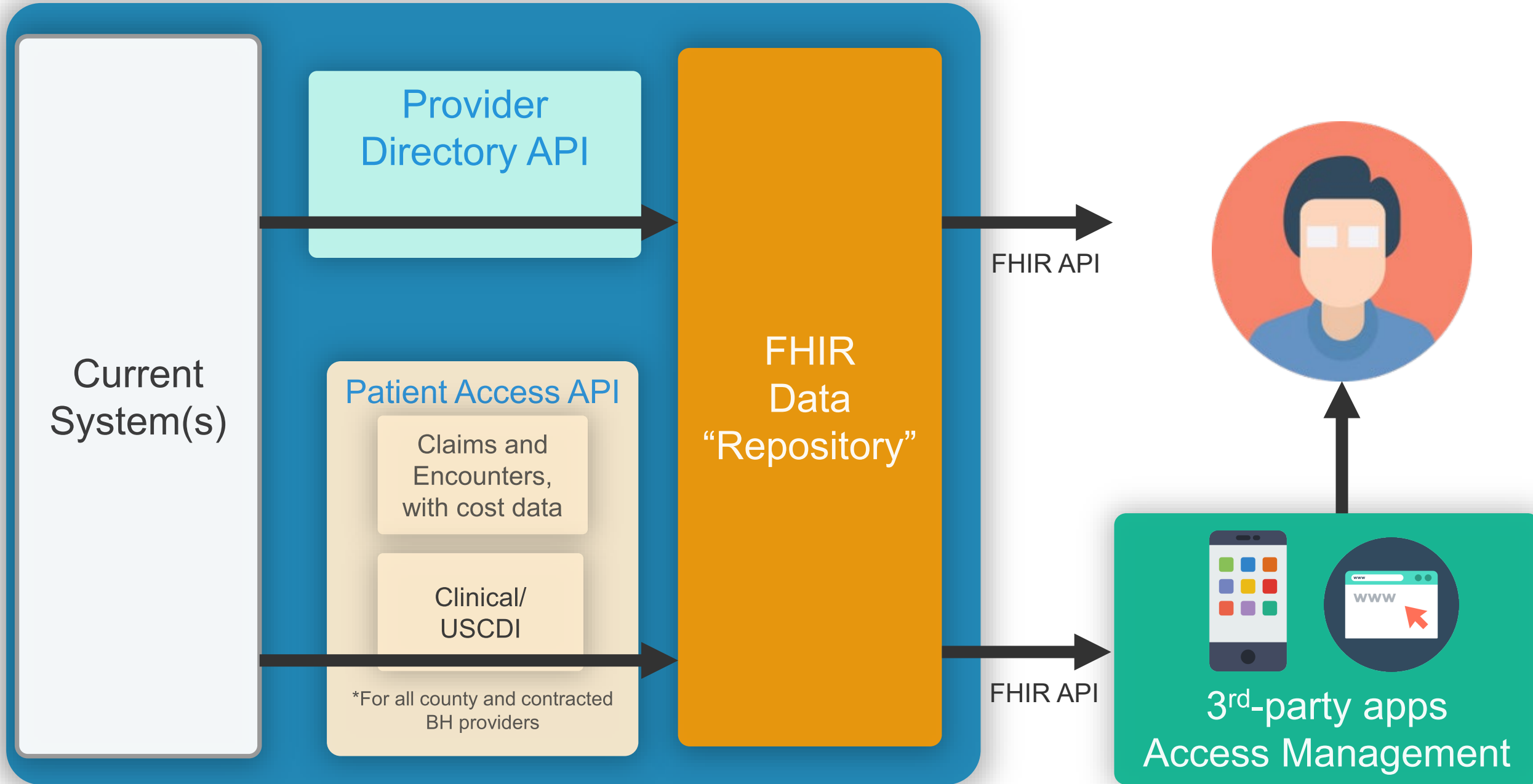
The image features a stylized logo for 'Q&A'. The letter 'Q' is a large, bold orange shape with a white question mark inside its central hole. To the right of the 'Q' is a blue ampersand '&'. Further right is a large green letter 'A'. The 'A' is composed of two overlapping shapes: a lighter green one in front and a darker green one behind it. At the bottom right of the 'A', there is a small orange rectangular element. The entire logo is set against a plain white background.

Today's Agenda and Discussion Framework

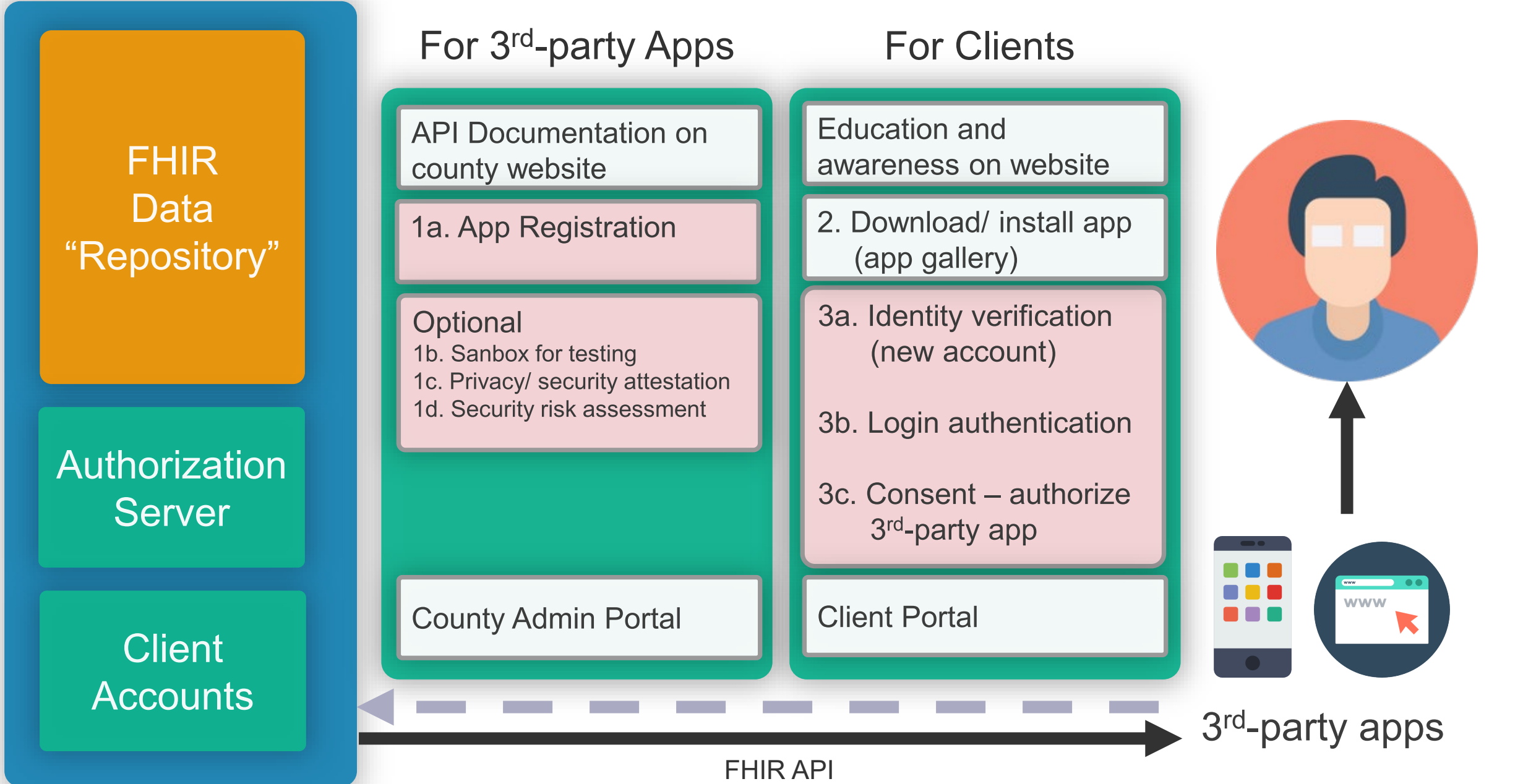
Program Goal – start the planning process

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- Recap and Responses to Data Requirements
- 3rd-party App Registration and Client Consent
- Some Questions and Implications for Planning

County BH Plan



County BH Plan



Consumer Apps and Developer Registration







**Mark
Scrimshire**

@ekivemark | Mark.Scrimshire@onyxhealth.io
Chair, HL7 Da Vinci Payer Data Exchange Workgroup
Chief Interoperability Officer, Onyx Technology, LLC



What Do Developers need?

- Discoverability  How do I find your API?
- Endpoint Information  Where Do I connect?
- Credentials  How do I get authorized?
- API Documentation  How does the API work?

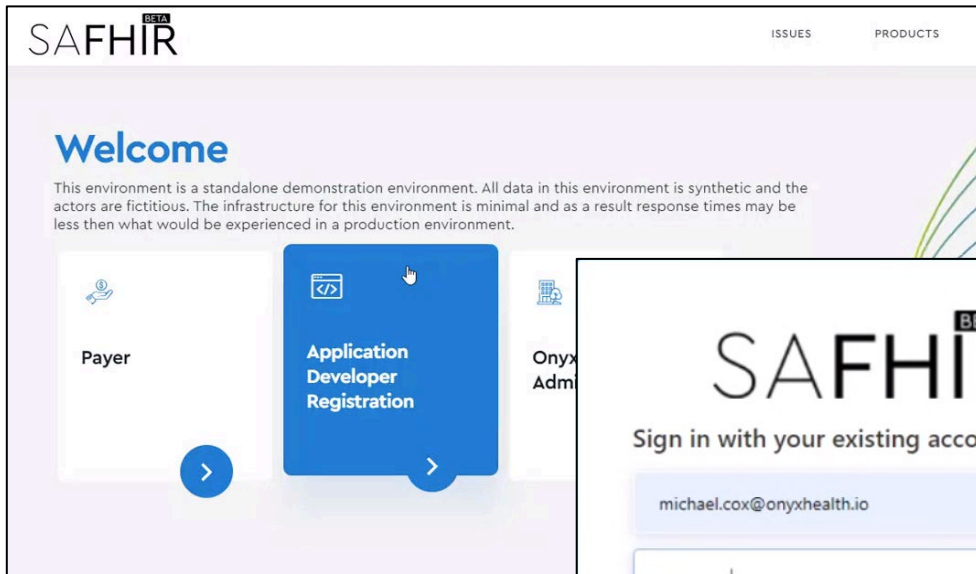


What do Members Need

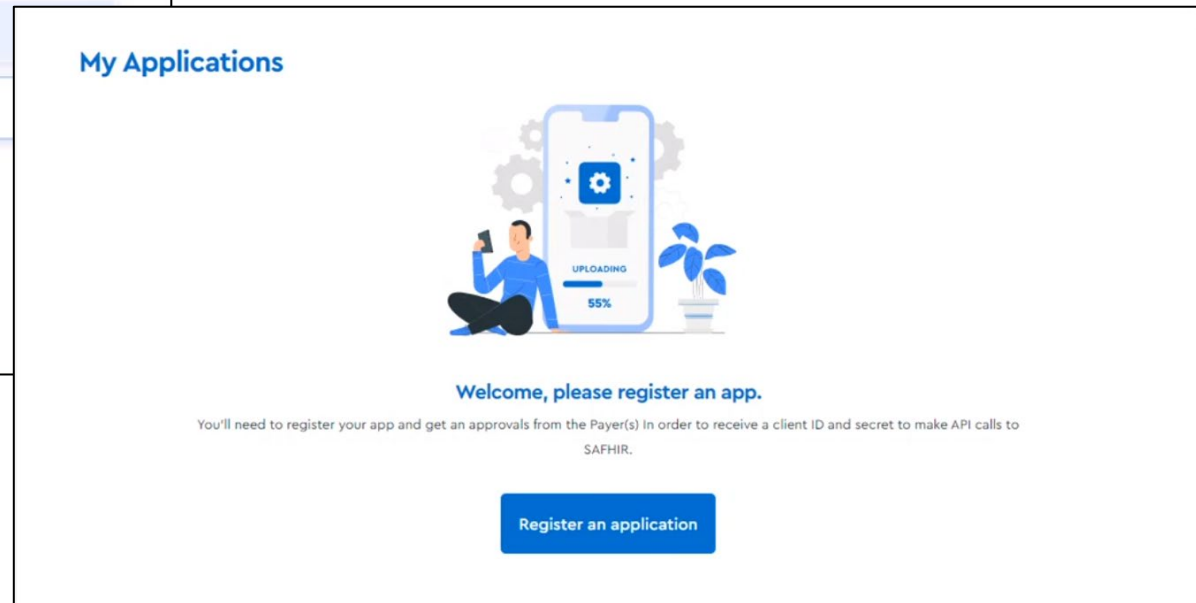
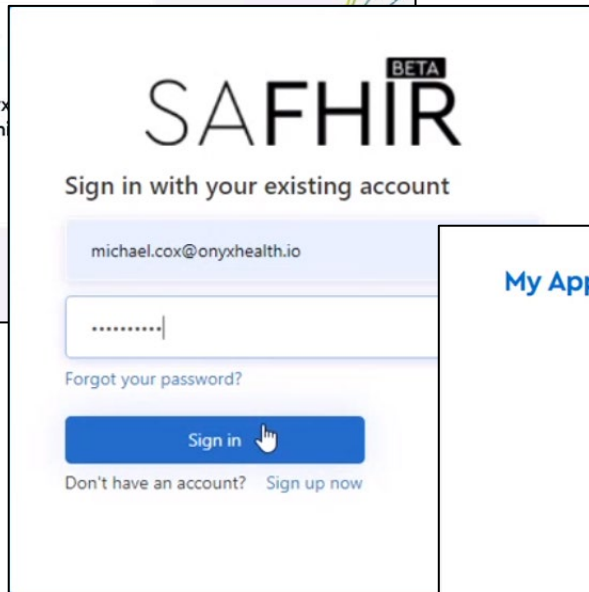
- What Apps Can I use?
- How do I know an app has been approved?
- Where do I get an App from?



3rd Party App Management – Application Developer Sign In



By creating application registration, it will show the interaction between Payer and the Developer.



3rd Party App Management – Application Registration

My Applications

Welcome, please register an app.

You'll need to register your app and get approvals from the Payer(s) in order to receive a client ID from the Payer(s). In order to receive a client ID from the Payer(s), you need to register your app and get approvals from the Payer(s) in order to receive a client ID from the Payer(s).

SAFHIR.

[Register an application](#)

The application will connect to the health plan where the beneficiary will use the application to connect to their health plan.

Register a new application Cancel

Upload Application Logo

Drag and drop (or upload) a .png, .jpg, or .jpeg file

Max size 500KB

Application Name*

Description*

Callback URLs* (Please enter one URL per line. The URL's protocol must be either https or the http://localhost.)

Privacy Policy URL*

Terms Of Service URL*

OnyxHealth.io

Below are the data elements that are required for a new application: Application Name

- Description
- Callback URLs
- Privacy Policy URL
- Terms of Service URL
- Transparency security attestations and certifications
- Customer Support Email
- Customer Support Phone
- Implementation Guides

3rd Party App Management– Application Registration and Dashboard



In the role of third-party app developer, a developer can request access from different payers for specific IGs.

Callback URLs* (Please enter one URL per line. The URL's protocol must be either https or the http://localhost)

<https://mycareapi-uat.mycareai.com/api/v1/payer/callback>

Privacy Policy URL*

<https://www.mycareai.com/privacy-policy>

Terms Of Service URL*

<https://www.mycareai.com/terms-of-use>

Transparency security attestations and certifications

<https://www.mycareai.com/certs>

Customer Support Email

support@mycareai.com

Customer Support Phone

800-999-9999

Implementation Guides*

Submit application **Cancel**

Implementation Guides*

CarrnBB 2.0

Payers*

Ruby Health - Click [here](#) for Capability Statement.

Diamond Health - Click [here](#) for Capability Statement.

Submit application **Cancel**

OnyxHealth.io

SAFHIR

ISSUES PRODUCTS Michael Cox Sign Out

My Applications

The application has been successfully created

Register application

Approved Applications

There are no approved applications at this time.



3rd Party App Management– New Application Request and Dashboard



The dashboard home page features the SAFHIR logo and navigation links for ISSUES and PRODUCTS. A 'Welcome' message is displayed, followed by a disclaimer about the synthetic data environment. A blue 'Payer' button is circled in red, with a mouse cursor hovering over it. Other buttons for 'Application Developer Registration' and 'Onyx Admin' are also visible.

- Once a developer submits a new application a Payer will be able to view a new request.

The sign-in form is titled 'SAFHIR BETA' and 'Sign in with your existing account'. It includes input fields for the email 'ruby_demo@safhir.io' and a password field with masked characters. A 'Sign in' button is highlighted with a mouse cursor. Links for 'Forgot your password?' and 'Sign up now' are also present.

The 'Application Requests' table displays a list of pending requests. The 'Approve' and 'Reject' buttons for the first request are circled in red.

Application Name	Developer Name	Implementation Guide Name	Created Date	Last Updated Date	Status	Action
myCareAI	Michael Cox	CarinBB2.0	08/26/2020	08/26/2020	Pending	Approve Reject



3rd Party App Management – New Application Request and Dashboard



Payer have the capability to view Application Details for each new requests.

Application Name	Developer Name	Implementation Guide Name	Created Date	Last Updated Date	Status	Action
myCareAI	Michael Cox	CarinBB2.0	08/26/2020	08/26/2020	Pending	Approve Reject

Application Details

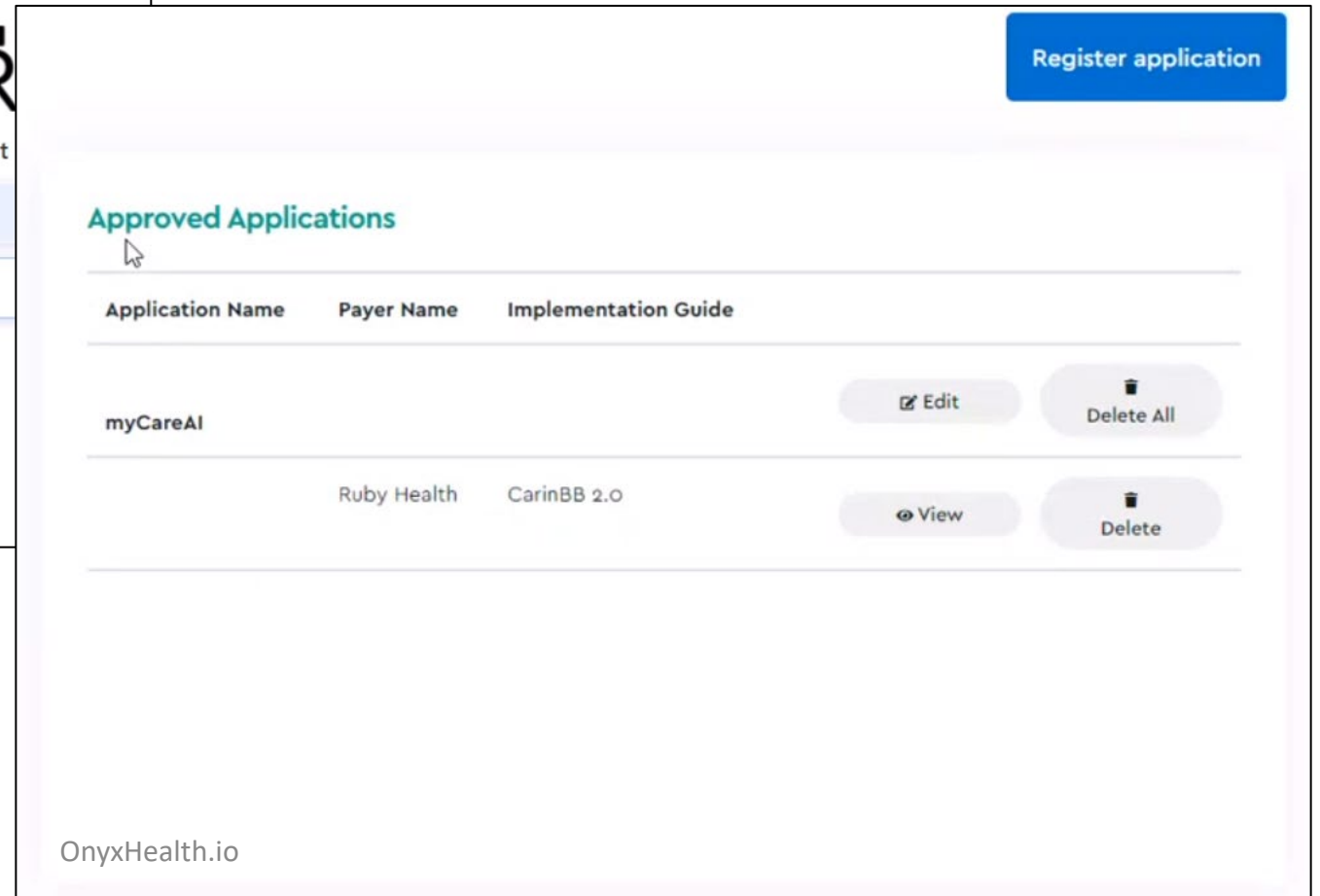
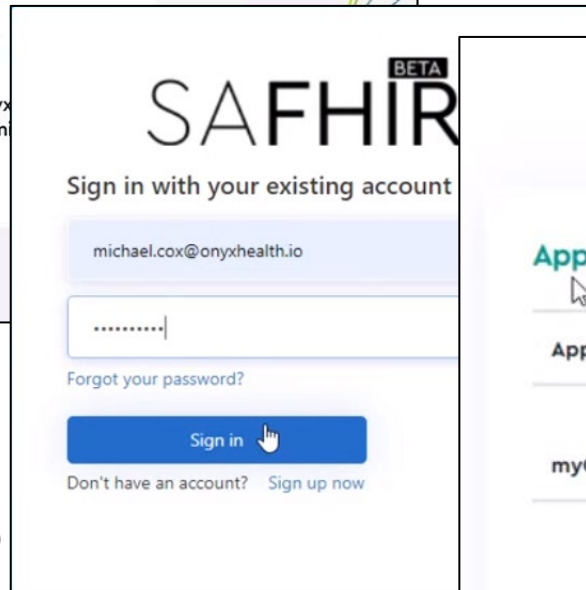
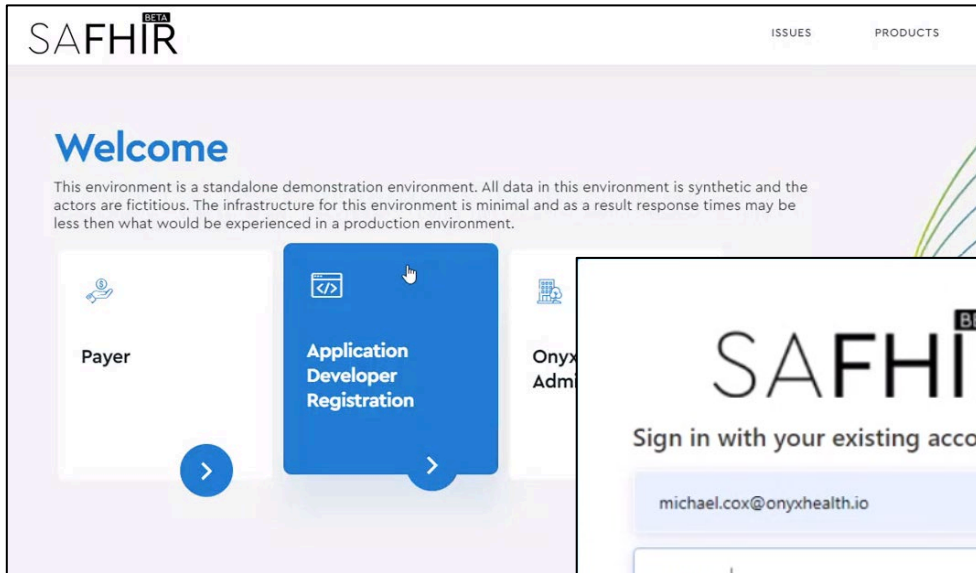
Logo

Application Name myCareAI
PayorName Ruby Health
Description myCareAI is a consumer-controlled application built to comply with the CARIN Blue Button 2.0 implementation guide.
Callback URLs <https://mycareapi-uat.mycareai.com/api/v1/payer/callback>
Privacy Policy URL <https://www.mycareai.com/privacy-policy>
Terms Of Service URL <https://www.mycareai.com/terms-of-use>
Customer Support Email support@mycareai.com
Customer Support Phone 800-999-9999
Transparency security attestations and certifications <https://www.mycareai.com/certs>
ImplementationGuideName CarinBB 2.0
Current Status: Pending

[Close](#)



3rd Party App Management - Approved Application Dashboard



Once the application is approved, developer's dashboard is divided into four sections:

1. Approved Applications
2. Pending Applications
3. Rejected Applications
4. Revoked Applications

3rd Party App Management – Application Details



My Applications

Register application

Approved Applications

Application Name	Payer Name	Implementation Guide	
myCareAI	Ruby Health	CarinBB 2.0	View

After the approval, developers have the capability to view Application Details by clicking on the “View” button.

Application Details

[Back](#) [View App Credential](#) [Edit](#)

Logo

Application Name myCareAI
PayorName Ruby Health
Description myCareAI is a consumer-controlled application built to comply with the CARIN Blue Button 2.0 implementation guide.
Callback URLs <https://mycareapi-uat.mycareai.com/api/v1/payer/callback>
Privacy Policy URL <https://www.mycareai.com/privacy-policy>
Terms Of Service URL <https://www.mycareai.com/terms-of-use>
Customer Support Email support@mycareai.com
Customer Support Phone 800-999-9999
Transparency security attestations and certifications <https://www.mycareai.com/certs>
ImplementationGuideName CarinBB 2.0

Current Status: Approved
Approved Date: 8/26/2020 7:42:49 PM
Approved By: OnyxHealth.io Ruby Demo

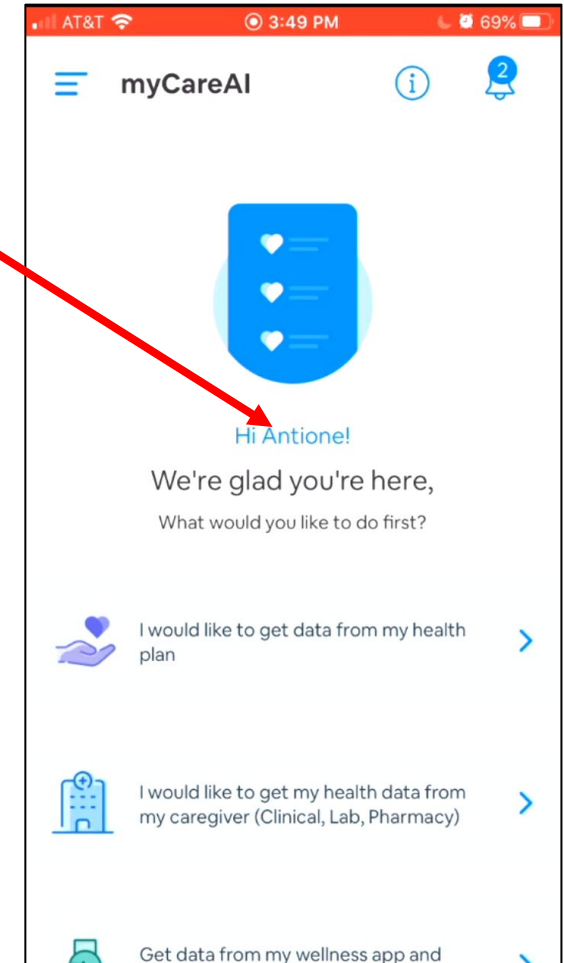
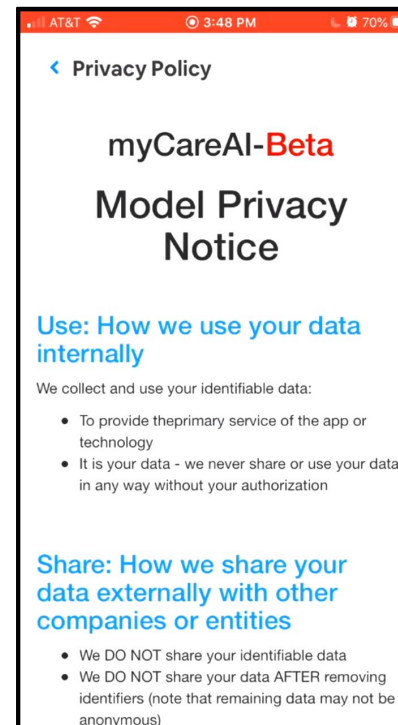
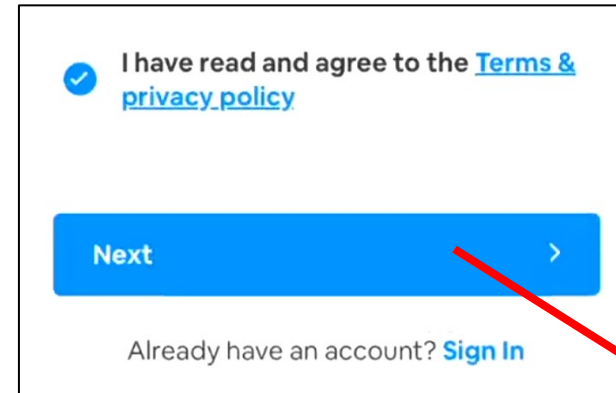
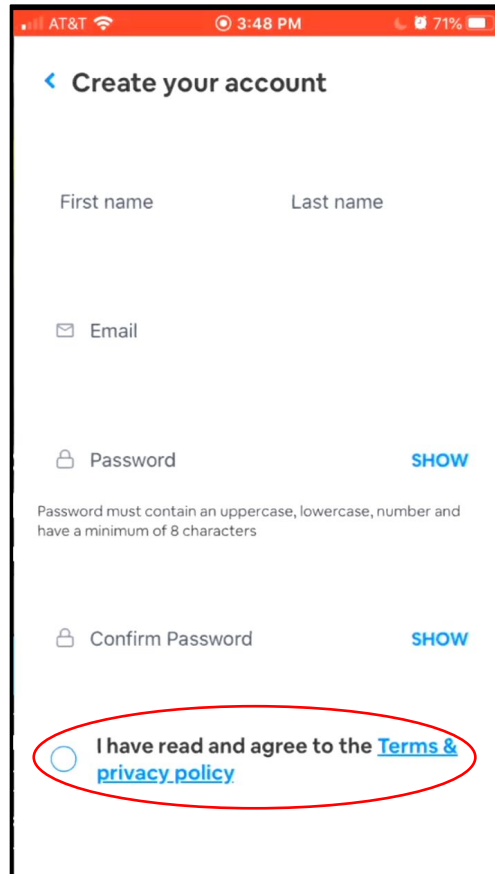
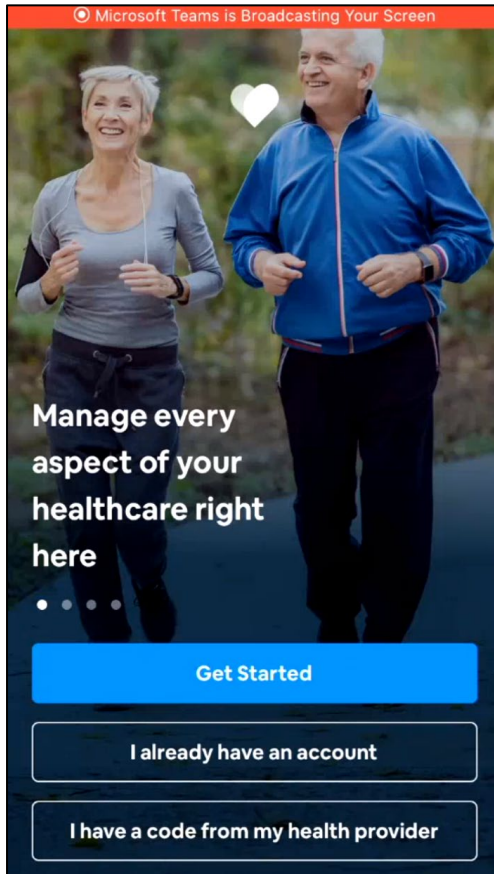
Application Credentials

ClientId:	d10feea4-4067-4d30-a089-916758784785	copy to clipboard
ClientSecret:	0b29-E5qmM~Q7d_8Pgo6-J1Lv8v~-oUr6	copy to clipboard
CallbackUrl:	https://mycareapi-uat.mycareai.com/api/v1/payer/callback	copy to clipboard
AuthUrl:	https://nwsfdmorbyhtenantb2c.b2clogin.com/nwsfdmorbyhtenantb2c.onmicrosoft.com/oauth2/v2.0/authorize?p=b2c_1a_nw_vmi_signup_signin	copy to clipboard
AccessTokenUrl:	https://nwsfdmorbyhtenantb2c.b2clogin.com/nwsfdmorbyhtenantb2c.onmicrosoft.com/oauth2/v2.0/token?p=b2c_1a_nw_vmi_signup_signin	copy to clipboard
Scope:	https://nwsfdmorbyhtenantb2c.onmicrosoft.com/nw-sf-dmo-uses0-rbyh-safhirapi-app/CarinBB2.0	copy to clipboard
BaseUrl:	https://nw-sf-dmo-uses0-rbyh-safhirapi.azure-api.net/CarinBB2.0/api/	copy to clipboard
API Documentation:	Visit API Documentation	

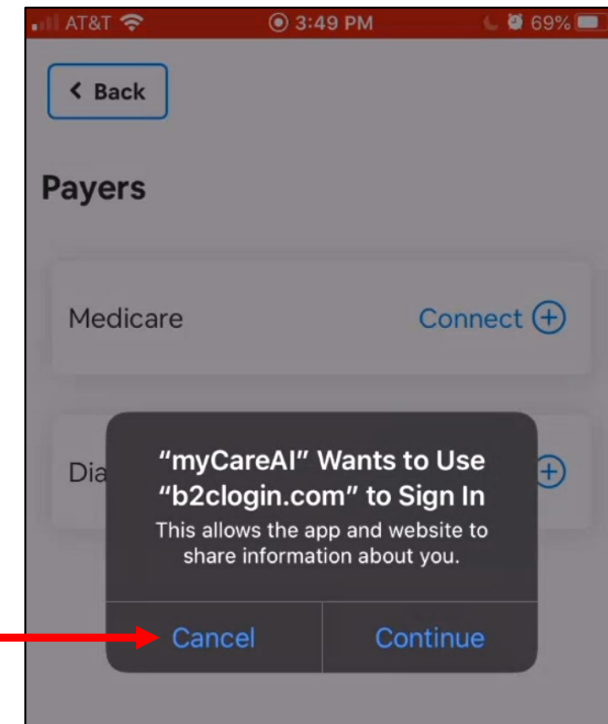
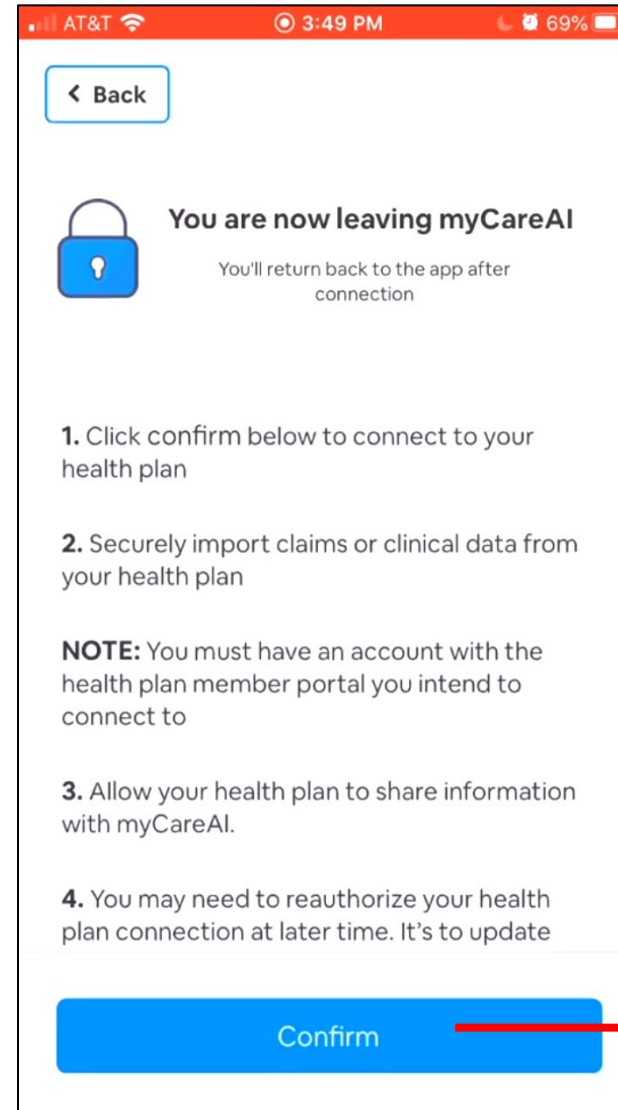
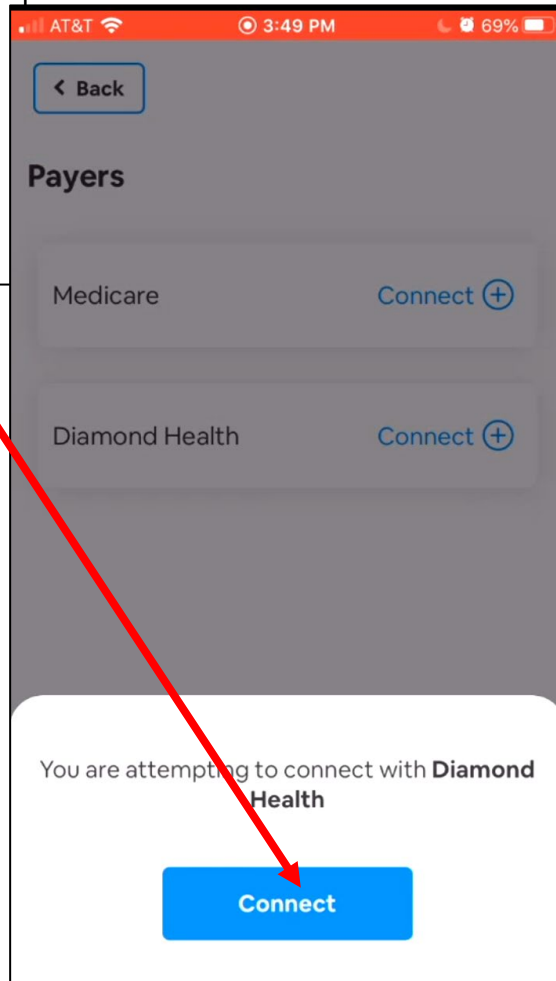
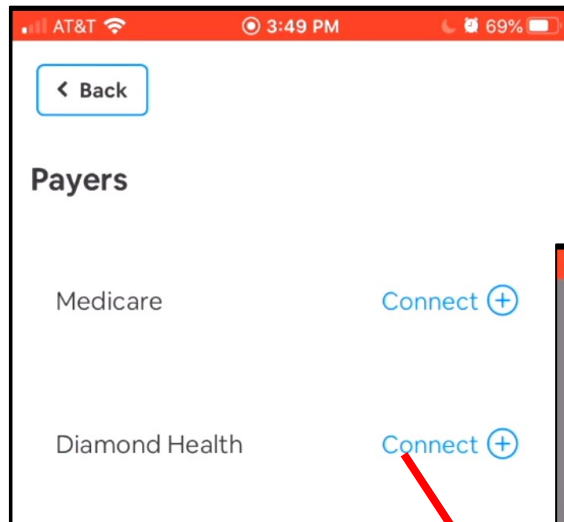
[Close](#)



Consumer Apps (myCareAI) Consent & Policy



Consumer App (myCareAI) Connecting to Your API



First the Consumer Authenticates

Cancel id-dev.safhir.io AA ↻

Diamond Health

Home

Login to Diamond Health

Username, email, or account number

Enter your username, email, or

Password

Enter your password

LOGIN

Forgot your password? [Recover with an email](#) or [with a recovery passphrase](#).

Login is typically handled by the same Identity Provider that authenticates access to a member portal.

Cancel id-dev.safhir.io AA X

Login to Diamond Health

Username, email, or account number

rby140017037

Password

●●●●●●●●●●!

LOGIN

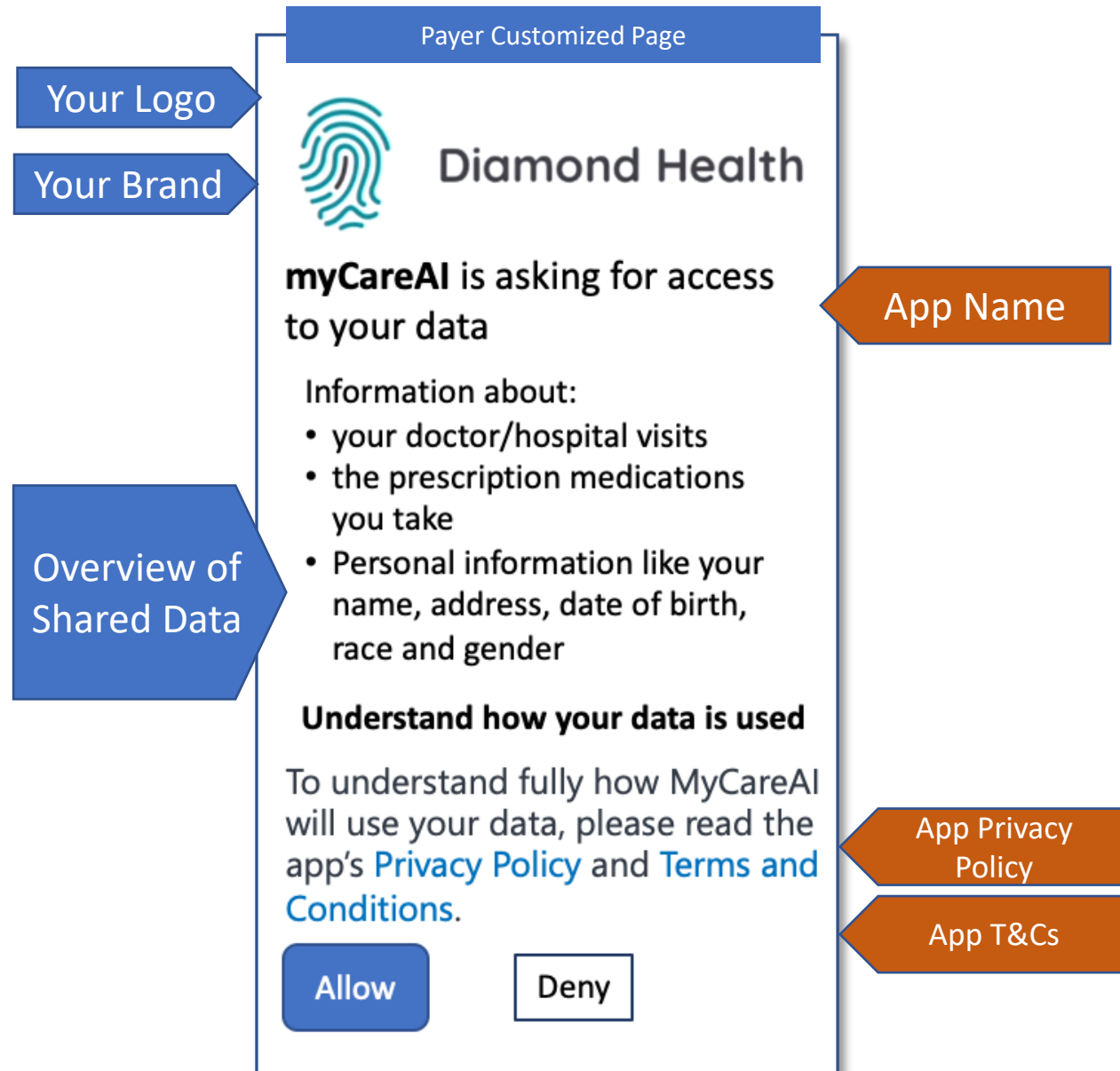
Forgot your password? [Recover with an email](#) or [with a recovery passphrase](#).



After successful login, an authentication token is created.

This includes an Identifier to do the hand off: SubjectID, MemberID or FHIRID

An Identified Member Then Chooses to Authorize Sharing



Many members will access via apps on Smartphones.


Think about complexity of the Authorization language and the visibility and clarity within the display context.

Authorization is granted for longer than the current session. CMS shares for multiple users. Many payers are setting the time limit at 1 year.



An Access Token is passed to the App



 **Diamond Health**

myCareAI is asking for access to your data

Information about:

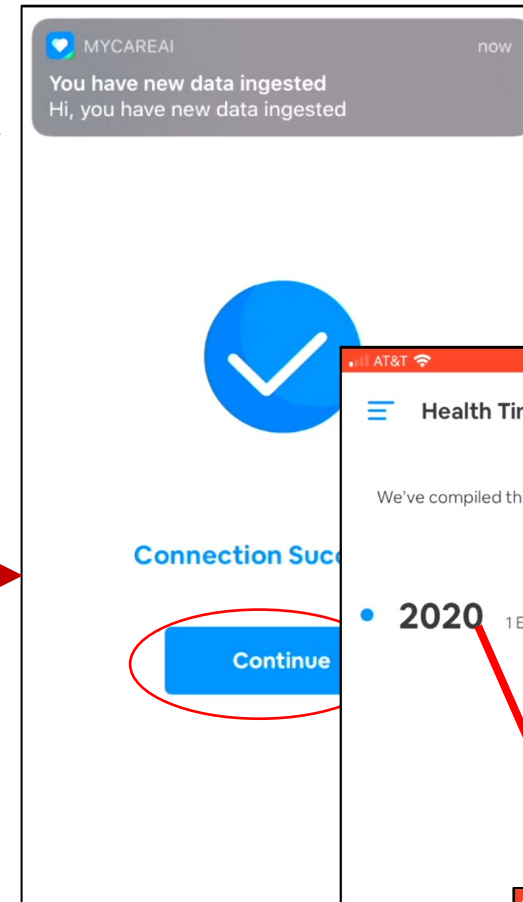
- your doctor/hospital visits
- the prescription medications you take
- Personal information like your name, address, date of birth, race and gender

Understand how your data is used

To understand fully how MyCareAI will use your data, please read the app's [Privacy Policy](#) and [Terms and Conditions](#).


Authorization hands an Access Token and Refresh Token back to the App

These Tokens are used on every call to the API and limit access to the information elements the Member authorized the App to access.

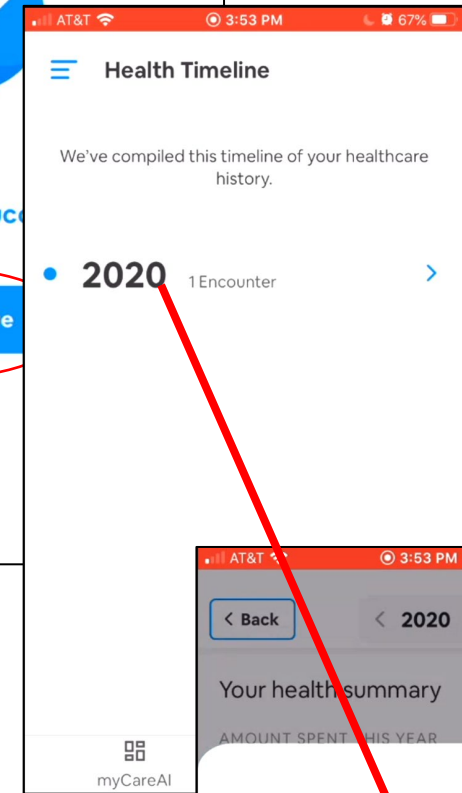


MYCAREAI now

You have new data ingested
Hi, you have new data ingested



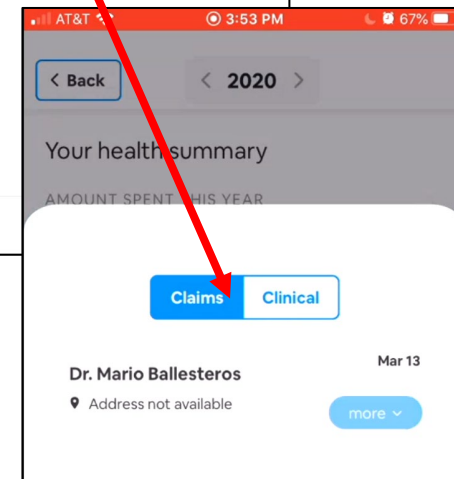
Connection Successful



Health Timeline

We've compiled this timeline of your healthcare history.

2020 1 Encounter



Back 2020

Your health summary

AMOUNT SPENT THIS YEAR

Dr. Mario Ballesteros Mar 13

Address not available



Consent-based Data Sharing Framework – Known and Unknown apps



“Known” applications who have followed the CARIN Trust Framework

“Unknown” applications who have not followed the CARIN Trust Framework

MyChart
Your secure online health connection

Allow Access to Your Account

<application name> wants you to share your health data with them.

What you need to know about <application name>

Before allowing <application name> to access your account, please be aware of the following important details. This information is provided by the creators of <application name>.

All mentions of the term "data" refer to the data from your electronic health record.

- Who is offering the app?**
This app is not provided by your healthcare provider, but is provided by <application vendor>, who must follow HIPAA federal health privacy laws.
- Does the app developer allow you to obtain a record of the data that have been collected about you?**
The app developer allows you to obtain a complete record of the data that have been collected about you.
- How is this app funded?**
This app is funded by advertisements. This app is funded by sale of your data to other organizations.
- Does this app allow you to delete the data that have been stored about you?**
This app allows you to delete all of the data that it has stored about you. Keep in mind that, even if the app has deleted your data, the app can't get back data provided to third parties.
- Where does this app save your data?**
This app can save your data locally on your device.
- The app does not keep your data if you remove the app from your device and close your account. The privacy policy and statements of <application vendor> may contain more details.**
- Who has access to your data when you provide it to this app?**
Other than you, the following people and groups may have access to the data that you provide this app, consistent with the privacy policy and statements of <application vendor>:
 - Researchers
 - Third parties affiliated with the app offerer
 - Companies to whom <application vendor> sells your data
- How does the app developer use your data?**
The app developer does not use data about you beyond providing direct services. <application vendor>'s privacy policy and statements may have more details on how and when the app uses your data.
- How long will the app have access to my information?**
This app will have access to your information for 1 hour(s) and 0 minute(s), until **Wednesday April 15, 2020, 1:24 PM**

Allow or Deny Access

<application name> wants your permission to access the following information:

- Allergies
- Documents
- Health Goals
- Implants
- Lab Results
- Problems
- Procedural and Diagnostic Orders
- Appointments
- Clinical Notes
- Referrals

Back Deny Access Allow Access

MyChart
Your secure online health connection

Allow Access to Your Account

<application name> wants you to share your health data with them.

This app's developer has NOT yet submitted to us how they plan to use your data. Once your data has been shared with <application name>, it could be made public and you may not be able to revoke access to it.

This app's developer has not shared any of the following Terms of Use:

- What type of organization is offering this app
- How the app is funded
- How your data will be stored
- Who will have access to your data when it is provided to the app
- If this app tells you about the data it has collected about you
- How your data will be retained
- How your data will be used

How long will the app have access to my information?

This app will have access to your information for 1 hour(s) and 0 minute(s), until **Wednesday April 15, 2020, 1:26 PM**

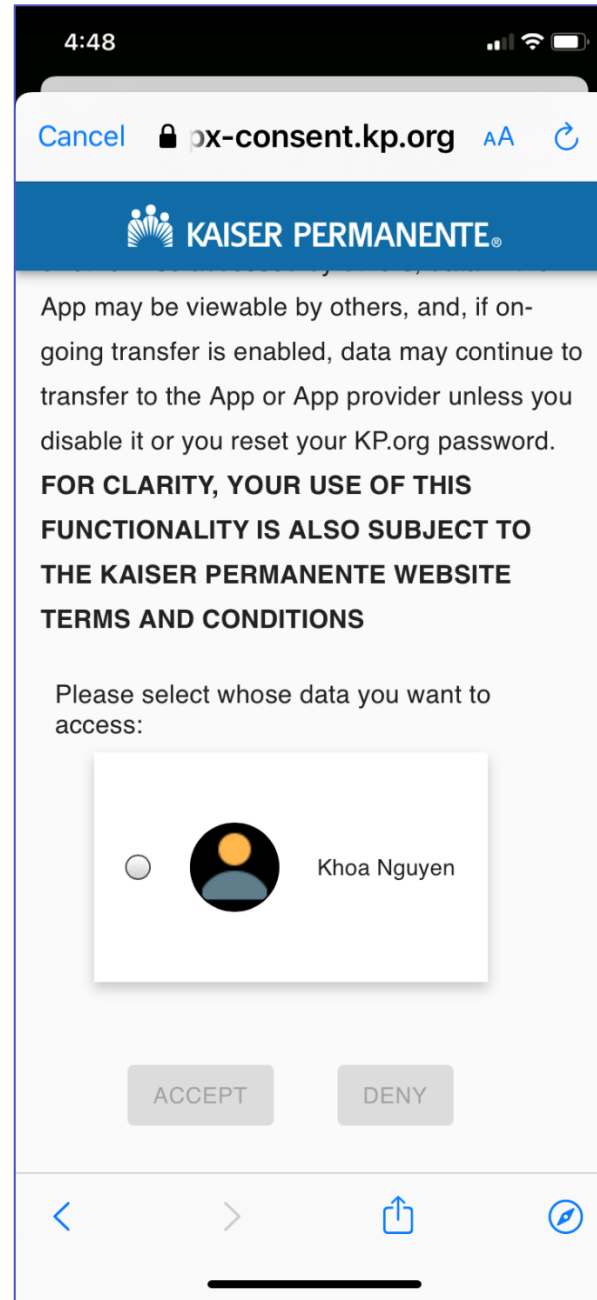
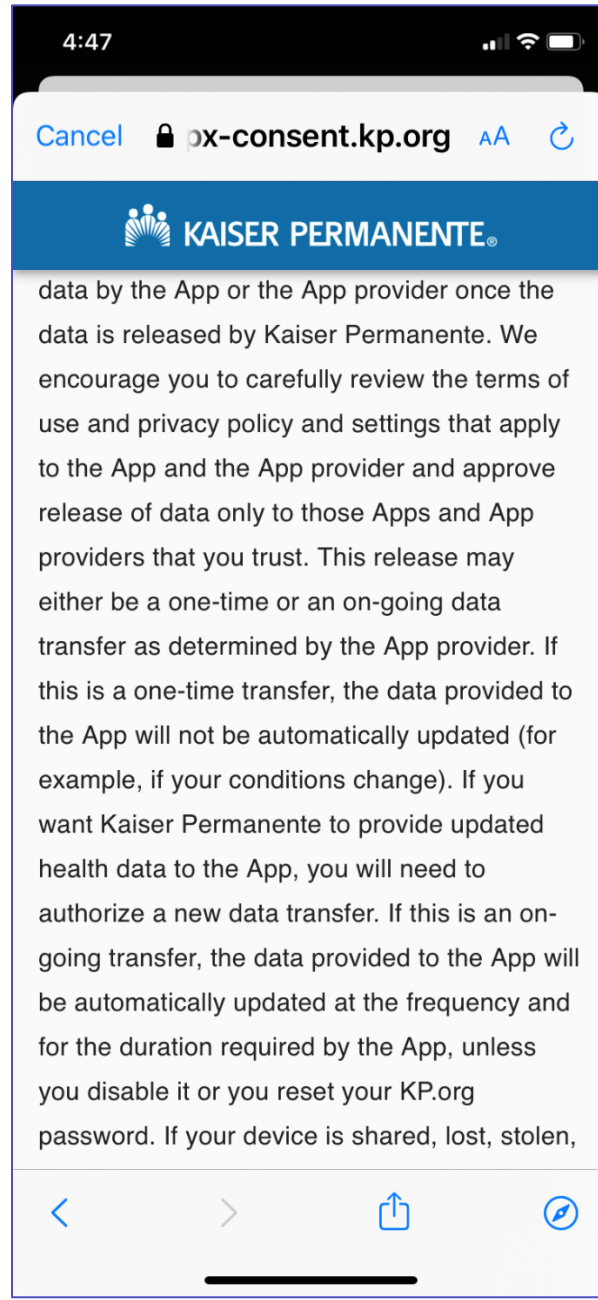
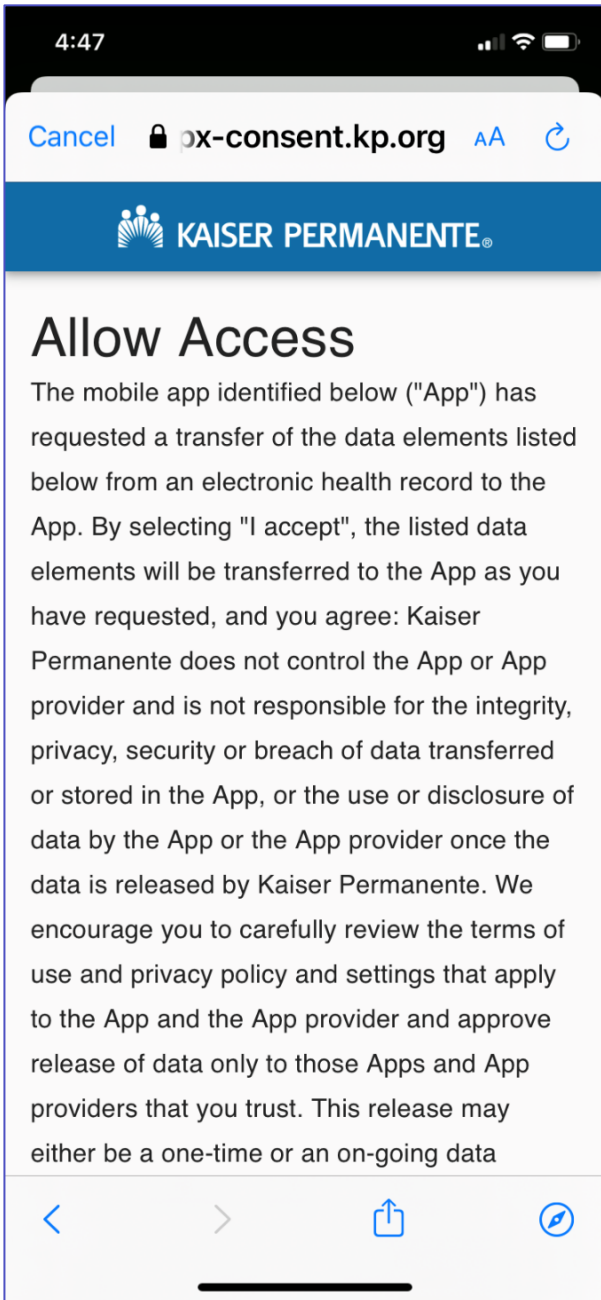
Allow or Deny Access

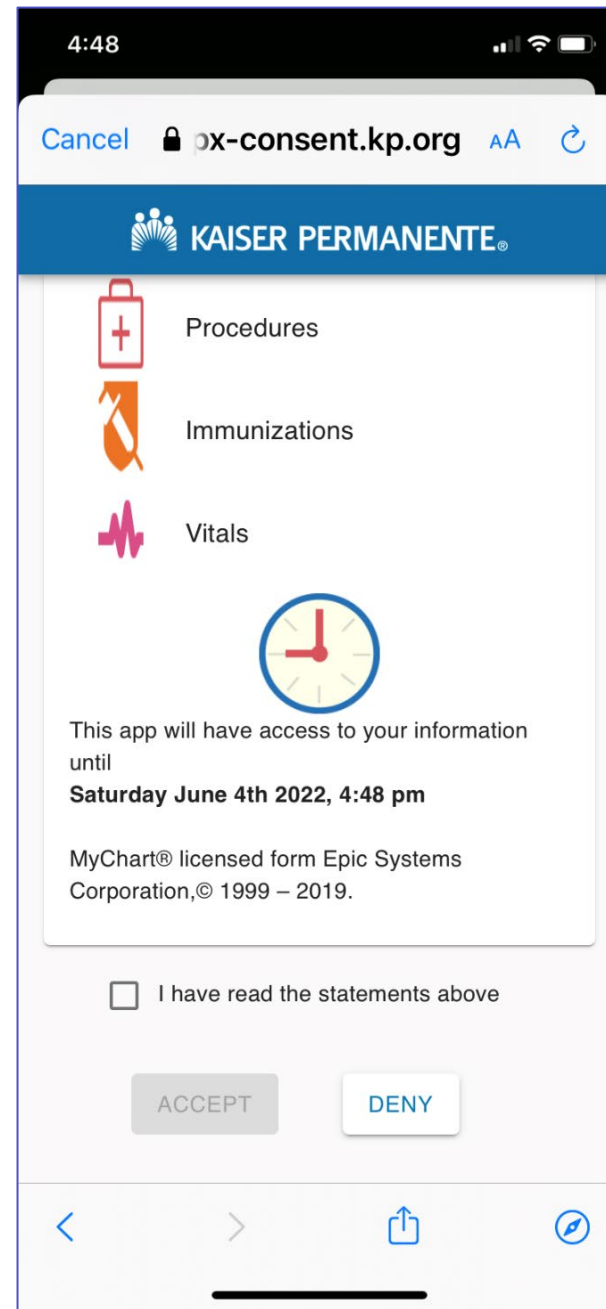
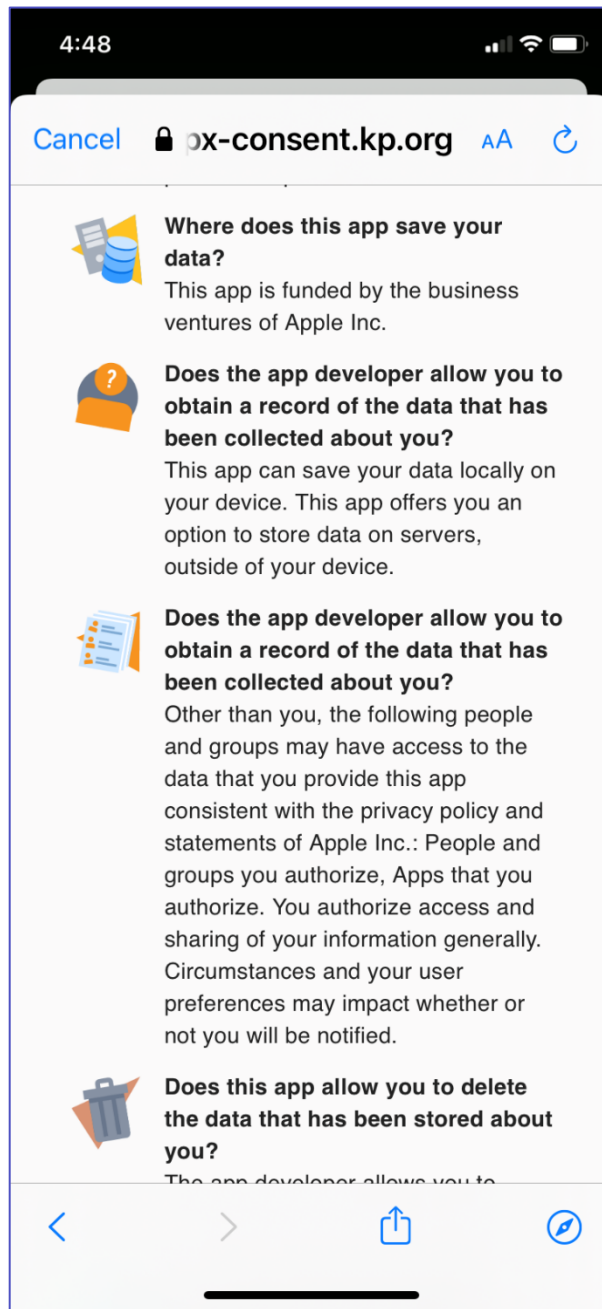
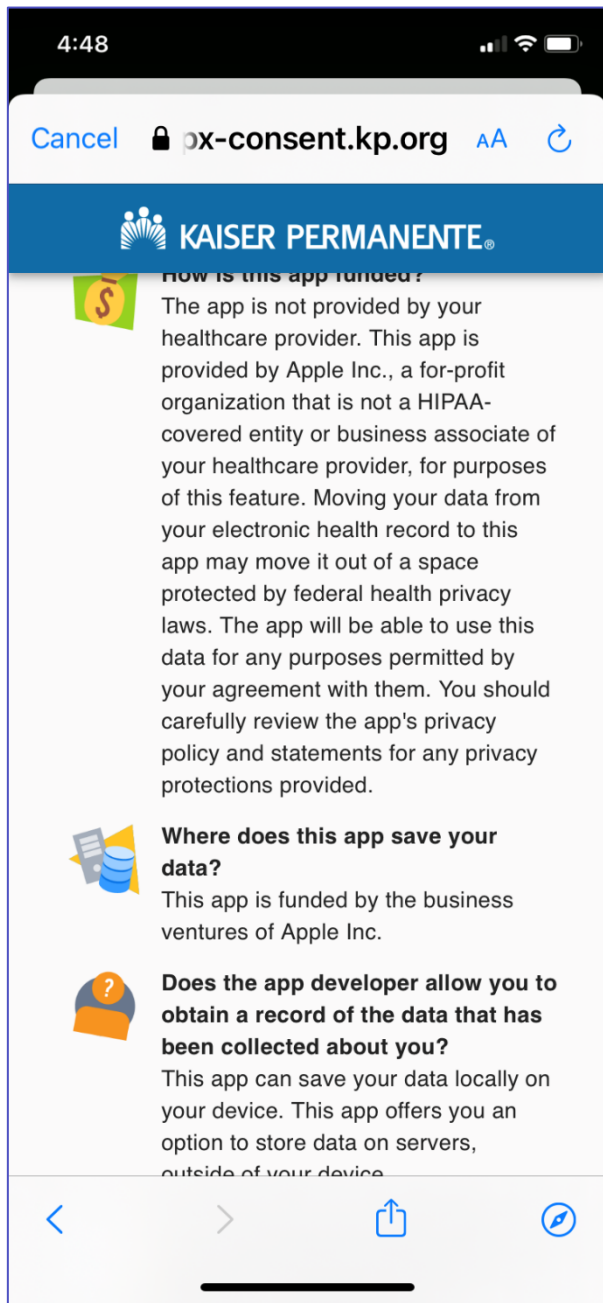
<application name> wants your permission to access the following information:

- Allergies
- Documents
- Health Goals
- Implants
- Lab Results
- Problems
- Procedural and Diagnostic Orders
- Appointments
- Clinical Notes
- Referrals

Because the app's developer has not informed us of how they plan to use your data, we recommend that you deny access to your account.

Back Deny Access Allow Access





Q&A

The image features a stylized logo for 'Q&A'. The letter 'Q' is a large, bold, orange-red shape with a white question mark inside its central opening. The ampersand '&' is a blue, rounded, and somewhat abstract shape that overlaps the right side of the 'Q'. The letter 'A' is a large, green, blocky shape that overlaps the right side of the ampersand. The entire logo is set against a plain white background.

Today's Agenda and Discussion Framework

Program Goal – start the planning process

- Welcome and Admin Stuff
- Recap and Responses to Data Requirements
- 3rd-party App Registration and Client Consent
- Some Questions and Implications for Planning

Survey Question: Feedback on Potential Next Steps

18 county responses

Options So Far	Yes	Maybe	No	Not Sure
Detailed review of potential role of/ for EHR system in meeting the CMS interoperability requirements	12	3		3
Common framework for understanding and applying privacy and security	11	4		3
Create common definitions and workflows (e.g., claim, client, consent, app registration)	12	2	1	3
Overlap and differences in data requirements between multiple county interoperability -- such as ONC, CMS, BH-QIP and new statewide HIE	12	3		3
More technical education about FHIR and APIs	12	2		4

We assume that many of the requirements will be met through the EHR as an API at some point in the future. However, its difficult for us at this point to see where the end line of support is from the EHR and whether an interoperability solution/partner may be required.

Additionally, as we anticipate many counties will participate within the EHR project, there might be an interest in pooling resources/efforts to create a single solution across all participating counties.

The challenge for Kern is Cerner has no capabilities to exchange data the way it is. We have joined the CalMHSA EHR project -- so the question I have is should we focus on trying to meet some CMS interoperability requirements with our current EHR system via a separate data warehouse or should we just focus on setting up an HIE once we have our new EHR online.

Survey Question: Feedback on Potential Next Steps

18 county responses

Options So Far	Yes	Maybe	No	Not Sure
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CMS Interoperability Planning Collaborative

	Meeting Topics and Focus	Schedule
	<ul style="list-style-type: none">• CMS Interoperability primer (optional)	March 29
#1	<ul style="list-style-type: none">• FAQs from Primer and Compliance Updates• Market summary and lessons• County considerations	April 5
#2	<ul style="list-style-type: none">• Recap and Key Takeaways So Far• Some Questions• Data Requirements	April 26
#3	<ul style="list-style-type: none">• Recap about Data Requirements• Some Questions and Survey Responses• Consumer consent, 3rd-party App Registration	May 17
#4	<ul style="list-style-type: none">• Recap about Consent and App Registration• Some Questions and Survey Responses• Lessons and feedback from Medi-Cal health plans	Mid June
#5	<ul style="list-style-type: none">• Final group discussion• Feedback on draft work plan and next steps	Mid/ late July