Open@Epic CONFERENCE

CampFHIR Build Along

Registering an auto-download app, start to finish

Presenters



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Learning Objectives

1. Ease of registering a patient-facing auto-download app
2. What is enabled by Epic's USCDI auto-download framework
3. How app registration choices tie into the patient experience

Meet Alex

PATIENT + BUILDER

- Managing Hypertension
- Working on Nutrition
- Building a Personal Notebook



Alex the Builder

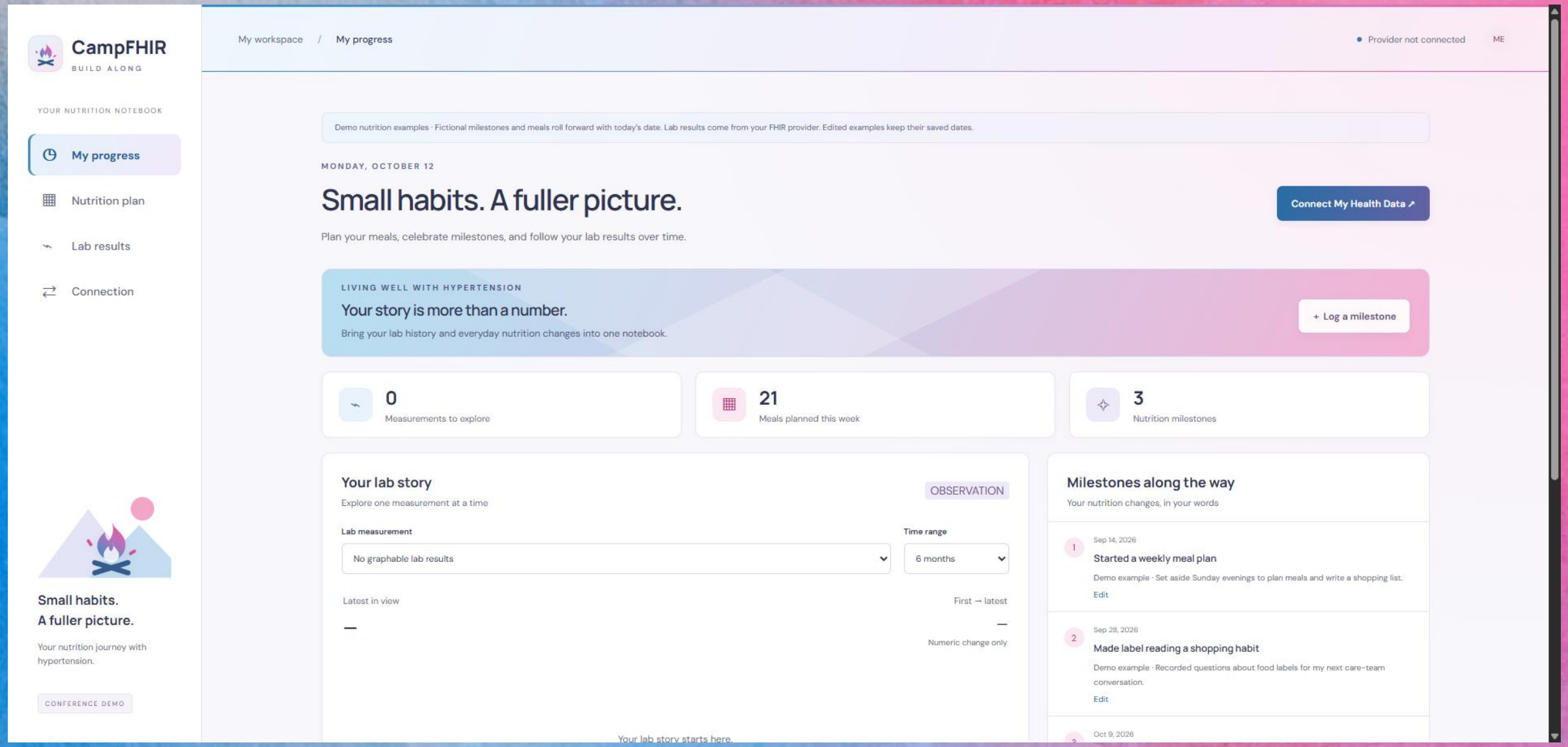
"Build me a nutrition notebook that includes meal plans, personal milestones, and lab history."

Codex

Claude



Alex's Nutrition Notebook



Patient Access Networks

USCDI behaves like a network



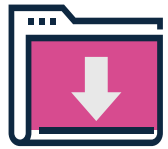
TEFCA IAS

Enables patient-facing applications to query for patient data through the TEFCA network.



CMS Patient Access

A network for U.S. payer organizations and patient or member apps.



USCDI Auto-Download

We started with U.S. provider organizations using Epic and patient apps.

What Qualifies for USCDI Auto-Download

USCDI Only

No non-USCDI APIs in your scope

Patient Context

Registered with a patient context

Registered & Ready

App listing created on Epic on FHIR & marked ready for production

Why Organizations Trust This Path



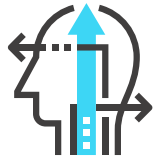
ID Verified

The patient proves who they are at sign-in.



Patient Matched

Authorization returns the patient context for the record Alex selects.



Patient Choice

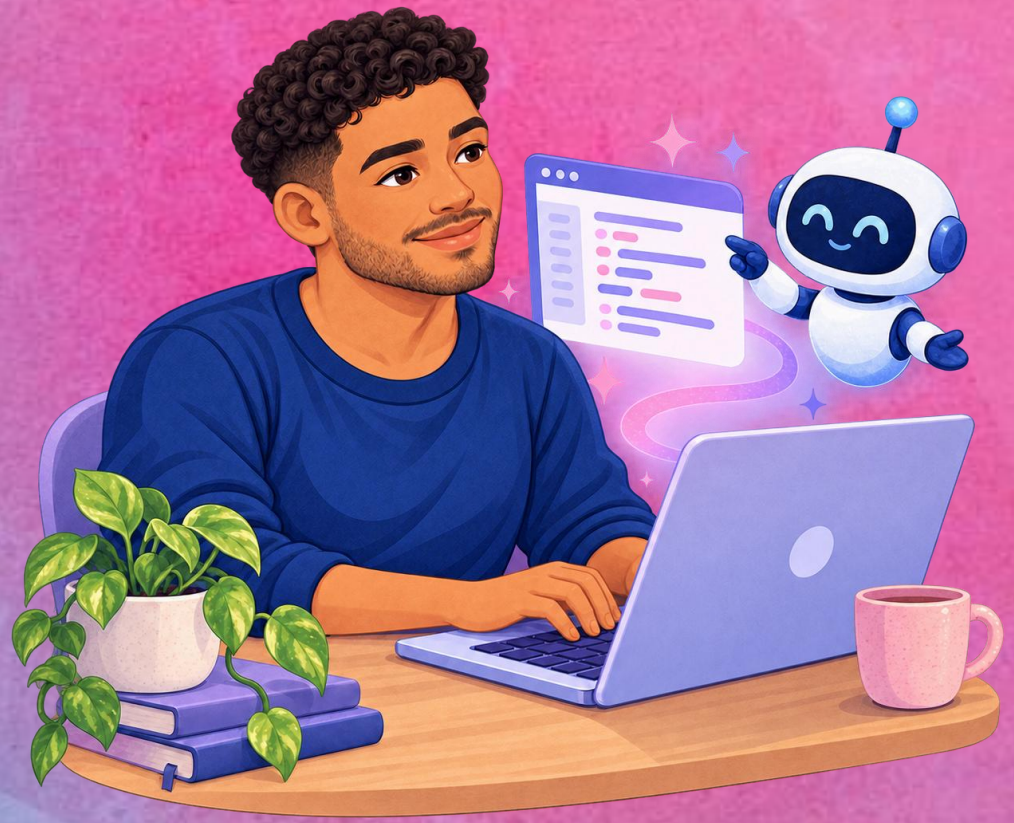
The patient decides what to share, and for how long.

1,400+

client IDs connect automatically to an organization that accepts auto-download applications.

Demo: Creating an Auto-Download Application

Alex the builder



What Happens After You Save

Register

Client IDs are created.

Configure and test the app.

Ready

Mark ready for production after completing testing.

Within 12 Hours

Registration syncs to participating organizations.

Live

Patients can authorize.

FHIR calls start flowing.

What You Pick Is What They See

Registration choices, seen from the patient side

Select the APIs the feature needs: Alex’s registration includes laboratory results and vital signs.

The data use disclosure explains what CampFHIR does with that information.

Demo: Connecting CampFHIR

Alex the patient



Best Practices for Patient-Facing Apps



Scope Tightly

Request only the APIs you call



Handle Expiration

Explain an expired connection and how to reconnect



Test Proxies

Caregivers hit a different path



Explain Disconnect

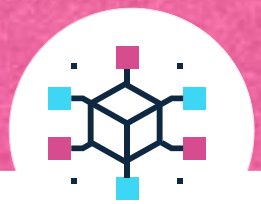
Make clear what information remains saved after disconnecting



Fail Gracefully

A declined scope is not a broken app

What Makes Patients Say Yes



Fill out the DUQ

Describe your application's data handling accurately. Match the disclosure to its behavior.



Explain First

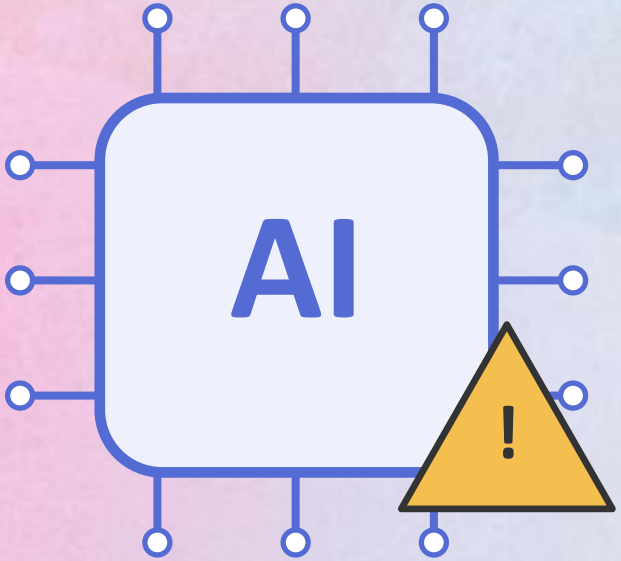
Tell the patient what data the app uses and what functionality that information enables.



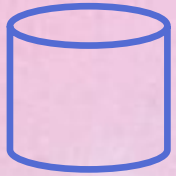
Offer an Exit

Explain declining access, disconnecting, and what happens to saved information.

A Working Prototype



Built with AI. Review before real patient use.



Data storage



Transmission



Logging

Where to Go Next

Everything you need is public

open.epic.com fhir.epic.com

Self-service, free

- Explore available APIs
- Register your application
- Test the complete connection

Vendor Services

Optional development support

- Membership fee + paid support
- Epic TS support for vendors
- Expanded sandbox and docs

Resources + Q&A

01 **Automatic Client Distribution**

Auto-download app requirements and applicable APIs

02 **Increasing Patient Data Sharing**

Proven strategies for building patient trust and encouraging data sharing

03 **OAuth 2.0 Tutorial**

Step-by-step guidance for implementing OAuth 2.0 authorization

04 **FHIR Endpoints**

Find healthcare organization FHIR Endpoints

01

02

03

04