





The World's Leading Interoperability Platform

23 million

patient records exchanged daily as patients move between health systems

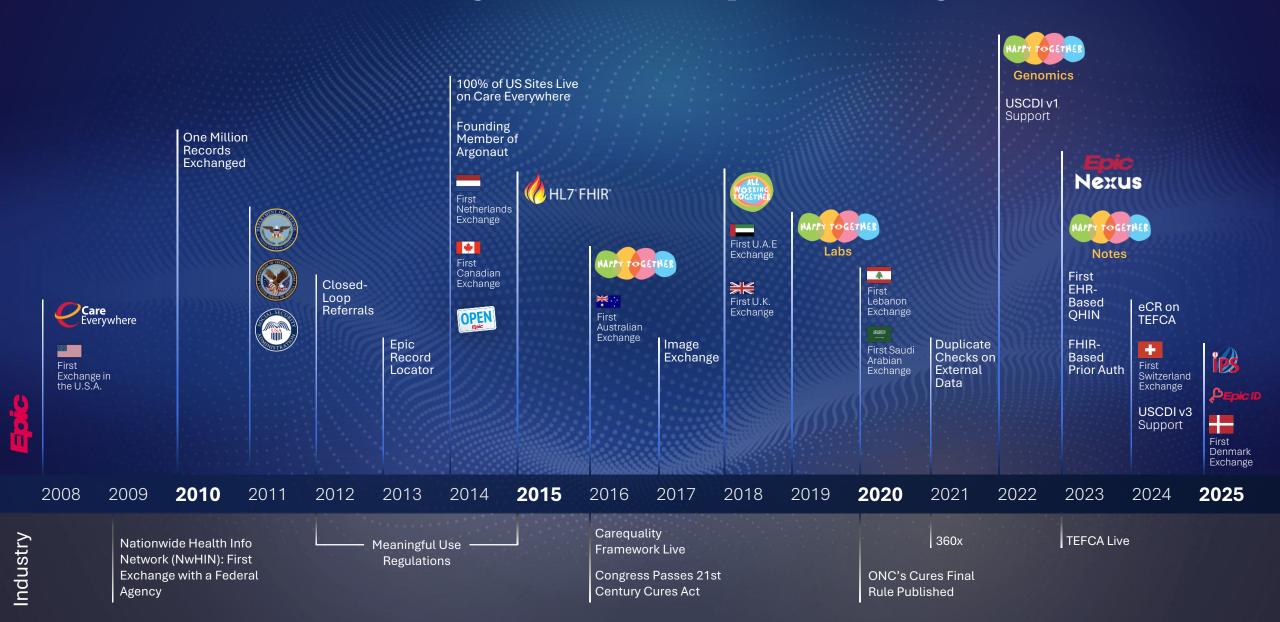
58 million

documents in those daily exchanges

>50%

with non-Epic systems

History of Interoperability



WITH THE PATIENT AT THE HEART



STANDALONE SPECIALTIES

Cardiology Dental Nephrology Oncology Orthopaedics Rheumatology Urology



HEALTH SYSTEMS & MEDICAL GROUPS

Inpatient & Outpatient
Ambulatory Care







PAYERS

Health Plans

Precision Medicine
Specialty Diagnostics
Medical Device Manufacturers
Surgical Implants
Clinical Trials

LIFE SCIENCES



CARE IN THE HOME

Home Health Hospice Hospital at Home Home Infusion Home Dialysis





POST-ACUTE

Rehab Long-Term Care Long-Term Acute Care



CONVENIENT CARE

Urgent Care Retail Clinics National Telehealth Providers Employer Health

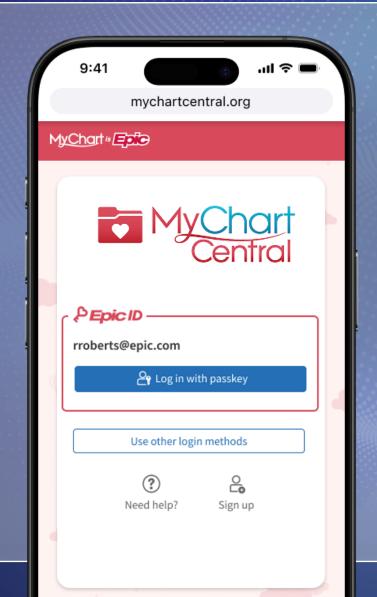


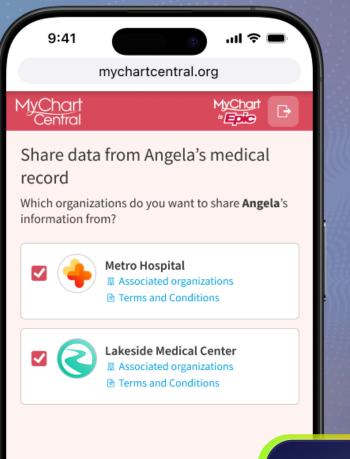
Social Care
Behavioral Health
State Systems
Correctional Health



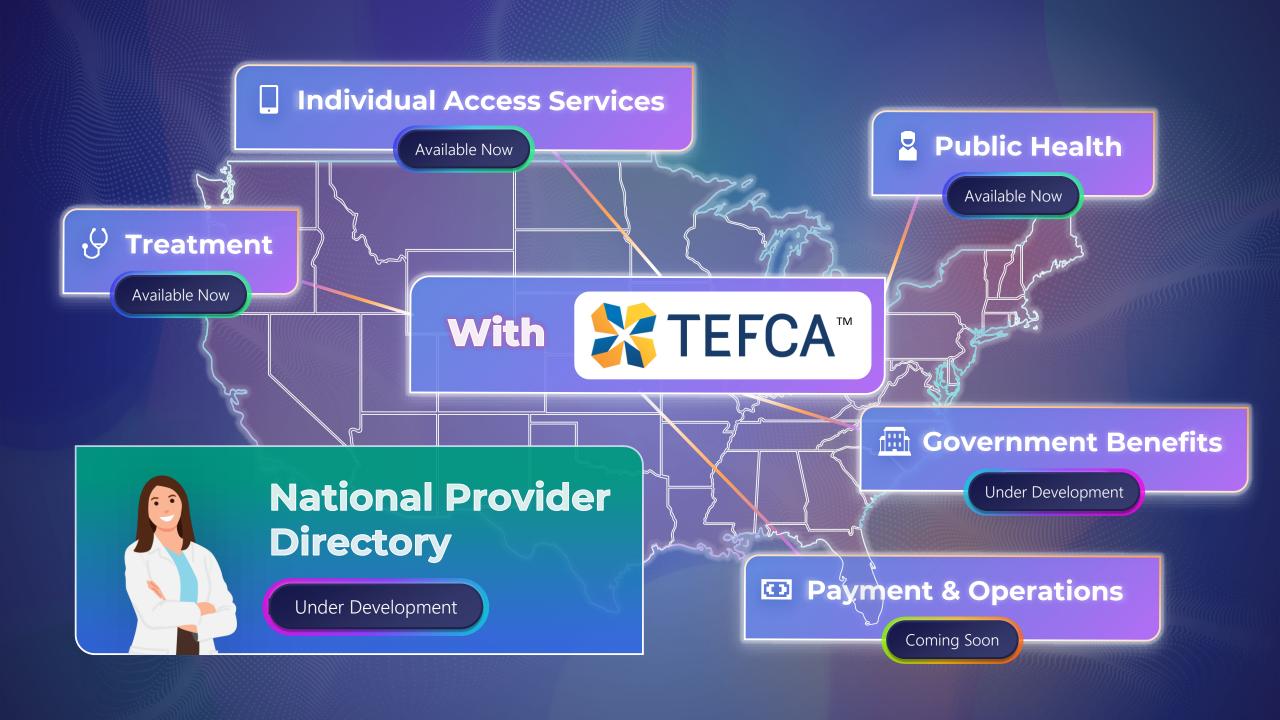
One Login with MyChart Central







Under Development



Research to Accelerate Al Adoption

UC San Diego



Original Investigation | Health Informatics

Al-Generated Draft Replies Integrated Into Health Records and Physicians' Electronic Communication

Ming Tai-Seale, PhD, MPH; Sally L. Baxter, MD, MSc' Florin Vaida, PhD; et al

"This study shows that generative AI can be a collaborative tool.

Our physicians receive about 200 messages a week. Al could help **break 'writer's block'** by providing physicians an **empathy-infused** draft upon which to craft thoughtful responses to patients."

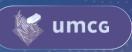
- Ming Tai-Seale, PhD, MPH, professor of family medicine, UC San Diego School of Medicine

nature

Current and Future State of Evaluation of Large Language Models for Medical Summarization Tasks



Prompt Engineering on Leveraging Large Language Models in Generating Response to In Basket Messages





Completeness, Correctness and Conciseness of Physician-Written Versus Large Language Model Generated Patient Summaries Integrated in Electronic Health Records

16 Pages

Posted: 24 May 2024

Roseanne Schoonbeek

 ${\it University of Groningen-University Medical Center Groningen}$

Jessica Workum

Elisabeth-Tweesteden Hospital

"Researchers from UMCG and ETZ ... studied the quality of generative Al-powered patient summaries, finding them to be **comparable to physician-created summaries** in terms of completeness, correctness, and trustworthiness.

The mean writing time for a physician's summary was seven minutes. For Al, it was just over **15 seconds**."

- Stephanie Klein Nagelvoort Schuit, Vice President, Board of Directors and Professor of Health Care Innovation, Universitair Medisch Centrum Groningen



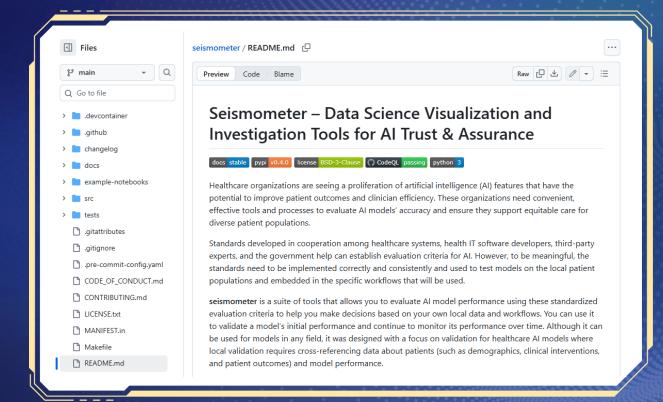
MedHELM: Holistic Evaluation of Large Language Models for Medical Tasks



Development and validation of the provider documentation summarization quality instrument for large language models

Epic Al Trust and Assurance Suite







Open-source template and schema



Real-time, ongoing monitoring



Assess performance on local patient mix

Cosmes & Medical Event Models

Preprint

Generative Medical Event Models Improve with Scale

Shane Waxler*¹, Paul Blazek*¹, Davis White*¹, Daniel Sneider*¹, Kevin Chung¹, Mani Nagarathnam¹, Patrick Williams¹, Hank Voeller¹, Karen Wong¹, Matthew Swanhorst¹, Sheng Zhang², Naoto Usuyama², Cliff Wong², Tristan Naumann², Hoifung Poon², Andrew Loza³, Daniella Meeker⁵.⁴, Seth Hain¹, and Rahul Shah^{†1}

¹Epic Systems ²Microsoft Research ³Yale School of Medicine ⁴Cosmos Governing Council

Abstract

Realizing personalized medicine at scale calls for methods that can distill insights from longitudinal patient journeys. A patient journey can be viewed as a sequence of medical events, and foundation models pretrained on large-scale medical event data represent a promising direction for scaling real-world evidence generation and generalizing to diverse downstream tasks. Using Epic Cosmos, a dataset with medical events from de-identified longitudinal health records for 16.3 billion encounters of over 300 million unique patients linked across 310 health systems, we introduce the first iteration of Cosmos Medical Event Transformer (CoMET) models, a family of decoder-only transformer models pretrained on a subset of 118



Andrew Loza Yale



Daniella Meeker
Yale | Cosmos council member



World's largest model

made from structured medical records

8 billion encounters

136 billion tokens

1 billion parameters



Connectivity

Developer Guides

Vendor Services

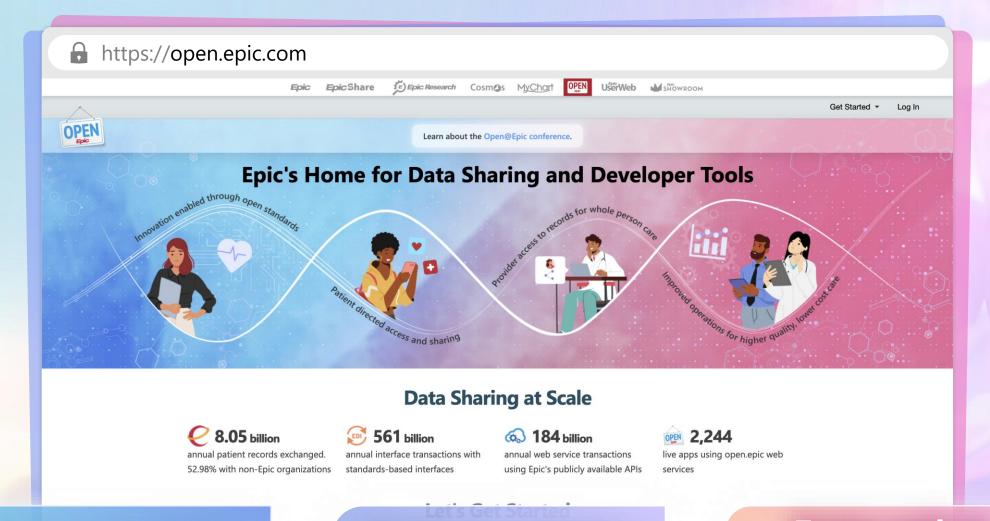
Showroom

Collaboration



Website Update

Available Now



Flattened menus

Step-by-Step

Easier to navigate



Faster path to what you need

Available Now

Paths to Connect

Available on open.epic.com







2.04B API transactions per day

Explore the API Catalog

Available Now



https://vendorservices.epic.com/OpenEpicApis

Explore Apps ▼

Manage Apps ▼

Find Resources ▼

Jump To ▼









open.epic APIs o



- AllergyIntolerance.Read
- AllergyIntolerance.Search
- Bulk Data Group
- → Bulk Data Delete Request ^
- → Bulk Data File Request ^
- → Bulk Data Kick-off ^
- → Bulk Data Status Request ^
- · CarePlan.Read (Encounter-Level)
- CarePlan.Read (Longitudinal)
- CarePlan.Search (Encounter-Level)
- CarePlan.Search (Longitudinal)
- CareTeam.Read (Longitudinal)
- CareTeam.Search (Longitudinal)
- Clinical Notes Document Group
- → Binary.Read (Clinical Notes)
- → Binary.Search (Clinical Notes)
- → DocumentReference.Read (Clinical Notes)
- → DocumentReference.Search (Clinical Notes)
- Condition.Read (Care Plan Problem)
- Condition.Read (Encounter Diagnosis)
- Condition.Read (Health Concern)
- Condition.Read (Problems)
- Condition.Search (Care Plan Problem)
- Condition.Search (Encounter Diagnosis)
- Condition.Search (Health Concern)
- Condition.Search (Problems)
- Coverage.Read
- Coverage.Search
- Device.Read (Implants)

• Generated CCDA Document Group

- → Binary.Read (Generated CCDA)
- → Binary.Search (Generated CCDA)
- → DocumentReference.Read (Generated CCDA)
- → DocumentReference.Search (Generated CCDA)
- Goal.Read (Care Plan)
- Goal.Read (Patient)
- · Goal.Search (Care Plan)
- Goal.Search (Patient)
- Immunization.Read
- · Immunization.Search

· Labs Document Group

- → Binary.Read (Labs)
- → Binary.Search (Labs)
- → DocumentReference.Read (Labs)
- → DocumentReference.Search (Labs)
- Location.Read
- Location.Search

Media Study Group

- → Binary.Read (Study) (R4)
- → Binary.Search (Study)
- → Media.Read (Study)
- → Media.Search (Study)
- Medication.Read Medication.Search
- MedicationDispense.Read (Fill Status)
- MedicationDispense.Search (Fill Status)
- · MedicationOrder.Read
- MedicationOrder.Search

Observation.Read (SDOH Assessments)

- Observation.Read (SmartData Elements)
- Observation.Read (Social History)
- Observation.Read (Study Finding)
- Observation.Read (Vitals)
- Observation.Search (Assessments)
- Observation.Search (Labs)
- Observation.Search (SDOH Assessments)
- Observation.Search (SmartData Elements)
- Observation.Search (Social History)
- Observation.Search (Study Finding)
- Observation.Search (Vitals)
- Organization.Read
- Organization.Search
- Patient.Read (Demographics)
- Patient.Search (Demographics)
- Practitioner.Read
- Practitioner.Search
- PractitionerRole Read
- PractitionerRole.Search
- · Procedure.Read (Orders)
- Procedure.Read (SDOH Intervention)
- Procedure.Read (Surgeries)
- Procedure.Search (Orders)
- Procedure.Search (SDOH Intervention)
- Procedure.Search (Surgeries)
- Provenance.Read
- RelatedPerson.Read (Friends and Family)
- RelatedPerson.Read (Proxy)

Available Now

Explore the API Catalog

https://FHIR.epic.com

Search APIs

508 results

Account.Read (Premium Billing) (R4)

Account.Search (Premium Billing) (R4)

AdverseEvent.Read (R4)

AdverseEvent.Search (R4)

AllergyIntolerance.Create (R4)

AllergyIntolerance.Create (STU3)

AllergyIntolerance.Read (DSTU2)

AllergyIntolerance.Read (R4)

AllergyIntolerance.Read (STU3)

AllergyIntolerance.Search (DSTU2)

AllergyIntolerance.Search (R4)

AllergyIntolerance.Search (STU3)

Appointment.\$book (STU3)

Appointment.\$find (STU3)

Appointment.Read (Appointments) (R4)

Appointment.Read (Appointments) (STU3)

Appointment.Read (Scheduled Surgeries) (R4)

Appointment.Search (Appointments) (R4)

Appointment.Search (Appointments) (STU3)

Appointment.Search (Scheduled Surgeries) (R4)

Binary.Read (Clinical Notes) (R4)

Binary.Read (Clinical Notes) (STU3)

Binary.Read (Clinical References) (R4)

Binary.Read (Correspondences) (R4)

Binary.Read (Correspondences) (STU3)

Binary.Read (Document Information) (R4)

Binary.Read (External CCDA) (R4)

Binary.Read (Generated CCDA) (DSTU2)

Binary.Read (Generated CDAs) (R4)

Binary.Read (Handoff) (R4)

Binary.Read (HIS) (R4)

Binary.Read (IRF-PAI) (R4)

Observation.Create (Vitals) (STU3) Industry-Standard

General Information HTTP Method:

URL Template:

Q

Supported OAuth 2.0 User Types: 2

POST

api/FHIR/STU3/Observation

Backend Systems and Non-OAuth 2.0, Clinicians or Administrative

Users, Patients

Description

The FHIR Observation. Create (Vitals) resource can file to all non-duplicable flowsheet rows, including vital signs. This resource can file vital signs for all flowsheets.

When a patient-facing app uses this API, it writes to patient-entered flowsheets. Before that can be done, a user in Epic must place an order to create the episode and patient entered flowsheets that will be filed to. Clinician or backend apps using this API will file to the same flowsheets that clinicians can document in.

An error is returned if a reading already exists. If an ID is included in the request, an error is returned. The server assigns an ID to the newly created resource.

Alternatives: For patient-entered information, there is an equivalent Incoming HL7v2 Incoming Clinical Documentation Flowsheet Data - Patient Entered Interface. For non-patient-entered information, there is an equivalent Incoming HL7v2 Incoming Clinical Documentation Flowsheet Data Interface.

Encounter Considerations: For non-Patient contexts, there are several limitations with this web service compared to the HL7v2 Interface alternative.

- Cannot write to closed encounters.
- Cannot write to future appointments.
- Cannot create an encounter on the flv.
- Cannot match to an encounter without an Encounter FHIR ID (i.e. fuzzy match).

Patient-context Considerations: This service can only file one reading at a time. For patient-entered information, this can trigger multiple notifications to the provider. If this is a concern, consider using the HL7v2 Interface alternative, which can file multiple readings at a time.

Filing Readings to Same Time-stamp This service can only file a reading if one doesn't already exist at the same timestamp. You may run into this issue when using the **Try It** case if you do not change the prepopulated timestamp. The HL7v2 Interface alternative is able to overwrite and update the existing value at the same timestamp.



Upcoming Capabilities



CDI Risk Adjustment Nov 2025

Shipping Management 2026 Diagnosis Aware Notes 2026

> Consent Content Nov 2025



Identity Verification

Nov 2025

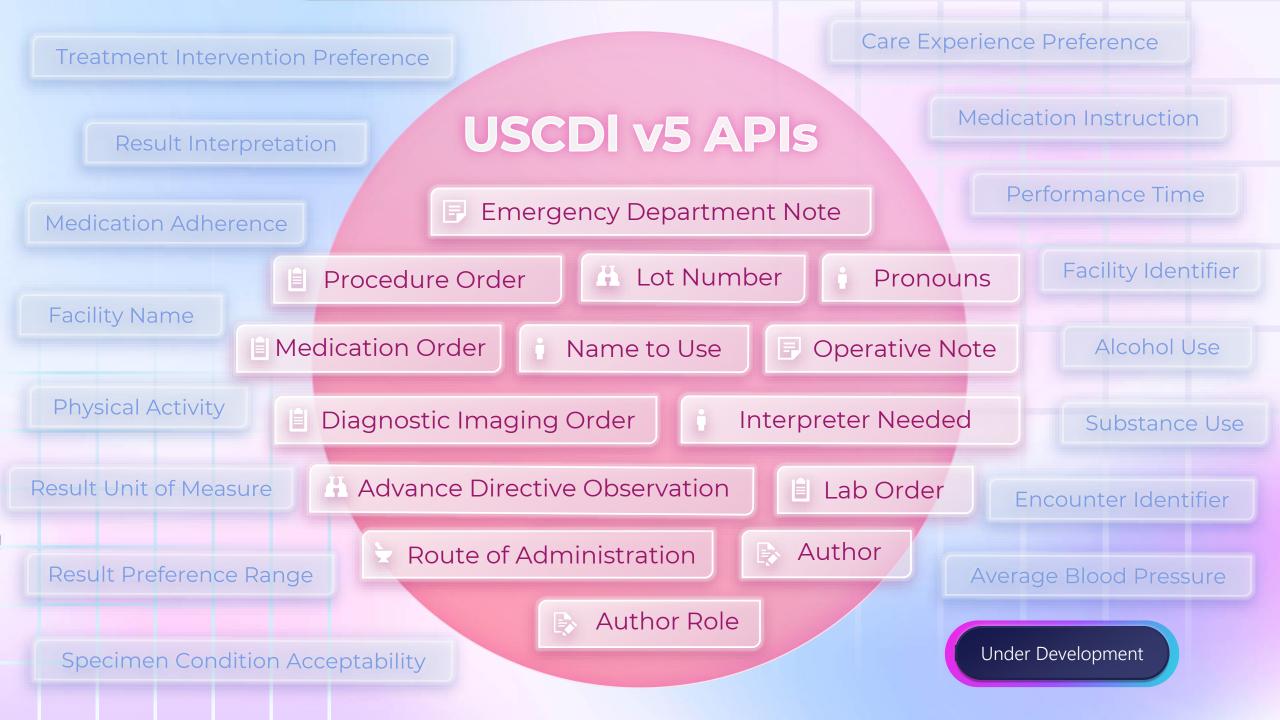
Wayfinding
Nov 2025

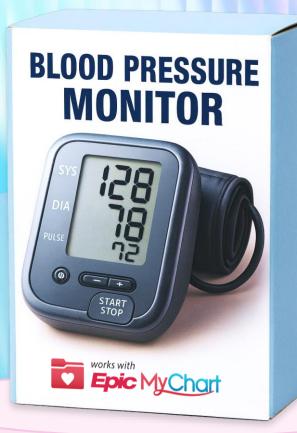


Staff Duress

Feb 2026

OI v5 der Contact Center Productivity Tools 2026







Available Now



Developer Guide





Developer Playbooks



Technology Selection Guide

Getting Started

Data Sharing Design



Register a Client Record





Develop & Test



Request Showroom Listing

Customer Implementation and Going Live





Developer Expectations



1. Safety

The app does not put patients or others at risk of harm

2. Security

The app does not introduce security vulnerabilities, cause security breaches, or increase the risk in either end users' or Epic Community Members' systems.

3. Privacy & Data Use

The app respects the privacy of patients and their families, clinicians, other end users, and everyone else.

4. Reliability

The app behaves as expected, delivering the right data at the right time. It is consistent and predictable.

5. Scalability

The app is stable and does not negatively impact operation for users or Epic Community members. The app performs as expected at scale and does not generate excessive or unexpected load on a user's or Epic Community Member's system.

6. Data Integrity

The app does not corrupt or otherwise cause material inconsistencies in end users' or Epic Community Members' data.

7. System Integrity

The app does not cause the end users' or Epic Community Members' other systems to behave inaccurately or unexpectedly

8. Intellectual Property

The app and developer protect the intellectual property of the developer, Epic, and the Epic Community Member.

9. Transparency & Honesty

The app and developer do not misrepresent products, product capabilities, business relationships, timelines, or anything else related to Epic or open.epic in any way.

Technology Selection Guide













Computer Telephony Integration



Fully Autonomous Coding

Developer Playbooks

Real Time Location System

Payer
Connections to
Epic Providers

Remote Patient Monitoring with Devices SMART Healthcards

Integrations

Waveform Visualization

Vendor Services



Technology, Sandboxes and Tools



Expanded self-service API catalog

Enhanced sandbox

Bulk access via Kit & Clarity



Collaboration

Network with others working on the Epic platform



Support from Epic experts

Our team will be there to lend a hand if you get stuck





Vendor Services

Sandbox



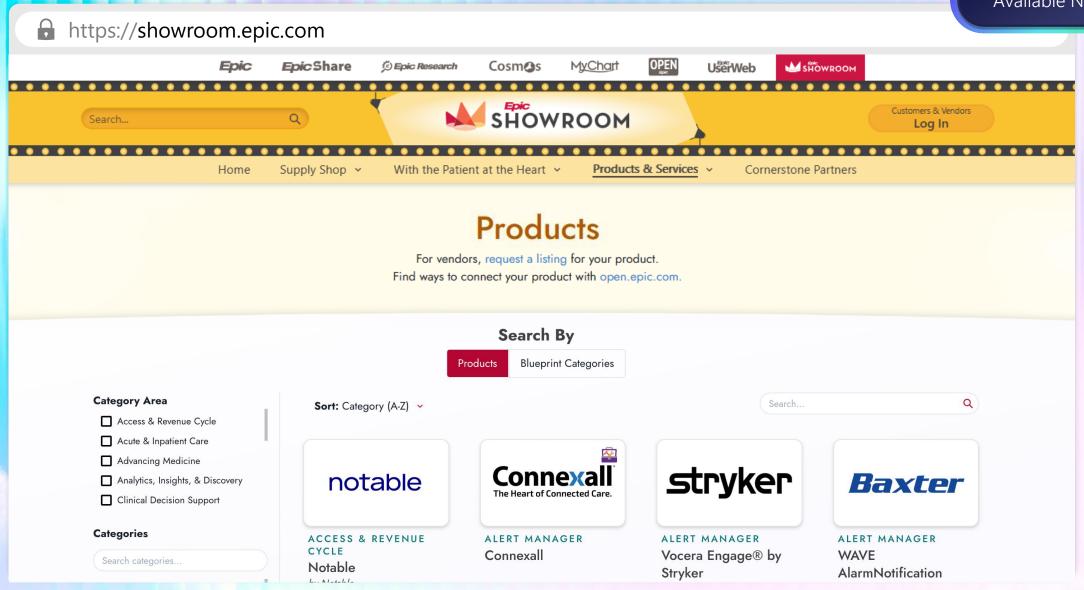
Set Flowsheet Data

View Media in Chart Review

Test AGL

Available Now

Available Now



Recap of New Capabilities





New ways to connect





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After Visit Summary, ASAP, Aura, Beacon, Beaker, Beans, BedTime, Best Care Choices for My Patient,
Bones, Break-the-Glass, Bugsy, Caboodle, Cadence, Canto, Care Everywhere, Charge Router, Cheers,
Chronicles, Clarity, Cogito ergo sum, Cohort, Comfort, Community Connect, Compass Rose, Cosmos,
Cosnome, Cupid, Discovery, Epic, EpicCare, EpicCare Link, Epicenter, EpicShare, EpicWeb, Epic Earth, Epic
Nexus, Epic Research, Garden Plot, Grand Central, Haiku, Happy Together, Healthy Planet, Hello World,
Hey Epic!, Hyperdrive, Hyperspace, Kaleidoscope, Kit, Limerick, Lucy, Lumens, MyChart, Nebula, OpTime,
Phoenix, Powered by Epic, Prelude, Radar, Radiant, Resolute, Revenue Guardian, Rover, Share
Everywhere, SmartForms, Sonnet, Stork, System Pulse, Tapestry, Trove, Welcome, Willow, Wisdom, With
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