Achieving SMART CONNECTED Healthcare

EPIC’S PERSPECTIVE
JANET CAMPBELL
BEYOND THE TRADITIONAL WALLS
Epic customers include those Beyond The Traditional Walls and they share their data with you.

- Retail clinics
- Stand-alone specialties
- Specialty pharmacy
- Rehab
- Regional and statewide collaboratives
- Behavioral Health
- Health plans
- Dental
- Long-term care
- Home Health
THE COMPREHENSIVE HEALTH RECORD
THE BEST SYSTEMS ARE INVISIBLE
Across the Continuum

Pop Health
- Admission to ED Predicted
- Admission to Hospital Predicted

Precision Charting
- Suggest Clinical Snapshot
- Risk of Readmission
- No-Show Predicted
- Order Suggestion

Operations
- High ED Volumes Predicted
- Predicted ICU Mortality

Acute Care
- Continuous Sepsis Risk Surveillance
- Risk of Transfer to ICU
- Alert: High Risk of Hypertension
Solve the Last Mile Challenge
Transform your ideas
Leveraging the Cognitive Computing Platform

Load your own models
**Embedded in Workflows**

- **Patient Advisory**
  - 5X increased risk of sepsis.
  - Assess this patient as soon as possible.
  - Notify MD and Rapid Response Team.

**Order**
- Lactic Acid Level

**Recent clinical information**
- Pulse: 95
- Temp: 97
- Resp: 25
- WBC: 13
Epic’s Machine Learning Library

**Operations**
- No-Show Appointments
- Length of Stay
- OR Schedule Maximization
- Forecasted House Census
- ED Likelihood of Admission*

----- Under Development ------
- ED Arrivals
- No-Show Appointments v2.0

**Population Health**
- ED Visit or Hospitalization
- Onset of Hypertension
- Negative Outcomes from Diabetes
- Hospitalization for Heart Failure
- ED Visit or Hospitalization (Asthma)
- ED Visit or Hospitalization (Pediatric)*
- Risk of Myocardial Infarction*

----- Under Development ------
- ED Bounceback Risk

**Acute Care**
- Unplanned Readmission
- Early Sepsis Detection
- Deterioration Index
- ICU Mortality Benchmarking*
- ICU Length of Stay Benchmarking*

-------- Under Development --------
- In-Hospital Fall Risk
- Early Sepsis Detection (Pediatric)
- Deterioration Index (Pediatric)
- Unplanned Readmission (CHF)
- ED Bounceback Risk

*Available in 2018 release
Epic standardized extracts using clinical and administrative data collected through data entry and machine interfaces from Caboodle
NOW
- Allergies
- Billing Accounts
- Billing Transactions
- Births & Pregnancies
- Care Teams
- Departments
- Diagnoses & Problems
- ED Visits
- Hospital Admissions
- Immunizations

Lab Results
Med Admin/Orders
Notes
Outpatient Visits
Patients
Providers
Procedure Orders
Referrals
Surgical Cases
Vitals

FUTURE
- Research
- Social History
- Cancer Staging
- Flowsheets
- Imaging Text
- ...and more!
Custom Visualizations
SMART App Launch Framework

SMART on FHIR provides reliable, secure authorization for a variety of app architectures through the use of the OAuth 2.0 standard. The Launch Framework supports the four use cases defined for Phase 1 of the Argonaut Project.

Profile audience and scope

This profile is intended to be used by developers of apps that need to access FHIR resources by requesting access tokens from OAuth 2.0 compliant authorization servers.
EHR Med Order

Toprol XL 50 mg daily

℞

CDS Service executes its own rules, leveraging FHIR data as needed

CDS Services

1. EHR triggers a CDS hook and invokes a remote service

2. CDS Service executes its own rules, leveraging FHIR data as needed

3. Returns CDS cards (rendered and displayed by EHR)

External Clinical Decision Support

Managing hypertension?
Launch JNC 8 Rx Pro

Try HCTZ as first-line
Switch to HCTZ

$s200 per month (patient pays $30)

Information card

Suggestion card

Smart app link card
Thank you!

janet@epic.com