Patient Engagement

FHIR Enablement (Cloverleaf)
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HUMC Use Case

- Mobile App to fill out intake forms
- Confirm demographic data
- Improve customer satisfaction
- FHIR-enable Epic
Hackensack UMC Solution

Diagram showing the integration of various components including external Hackensack UMC apps, 3rd party apps, FHIR/RESTful API Common Services Layer (CSL), Public API Management, FHIR Library, Orchestrations, and internal Hackensack UMC systems.
Demo – Example Use Case

Patient Demographic Update

Patient Appointment

Open Scheduling
Patient Registration
Scheduling
Patient Update

Please enter your details.

Patient id / MRN
900702010

Patient Name
Praveen

Phone Number
212-226-9208

Email id
elkatpi@yahoo.com

Gender
Male

DOB
December 12, 1978

Address Line 1

Address Line 2
Enter address line 2

ZIP
91303

City

State/Province/Region
AL

Country
United States of America

Let's start
Questionnaire

Praveen ekkati
Please Answer the Following Questions (Yes/No) For Evaluation

Question 1 of 5
1. HISTORY OF STROKE?

1. YES
2. NO

Question 2 of 5
2. HISTORY OF HEART DISEASE?

1. YES
2. NO

Question 3 of 5
3. HISTORY OF MENTAL ILLNESS?

1. YES
2. NO
Cloverleaf FHIR Orchestration HUMC

- Configured connections web services as both consumers and providers
- Uses SOAP and RESTful endpoints
- XML and JSON
- Epic Inter Communications API
- FHIR DSTU-2 message bundles
  - Patient
  - Questionnaire
  - Appointment