

Leverage Population Health Data to Improve Patient Adherence in Community Referral

Deliverable 3, Team Progress Report

Team Name: Devs on FHIR

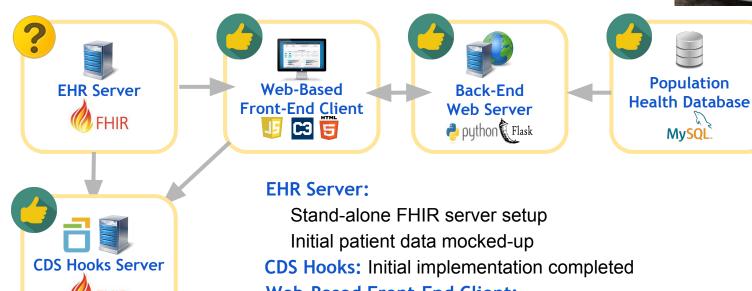
Team Members:

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Project Status





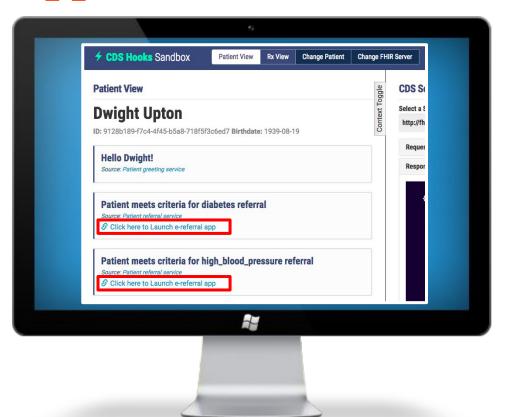
Web-Based Front-End Client:

Patient chart, population health data dashboard and referral form setup

MySQL

Back-End Web Server: Flask environment setup

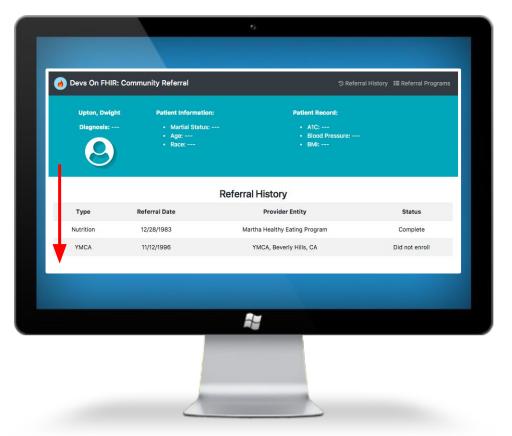
Population Health Database: Initial mockup data created



Sample EHR with CDS Hooks

(based on the CDS Hooks Sandbox project at https://github.com/cds-hooks/sandbox)





Community Referral Application (1)

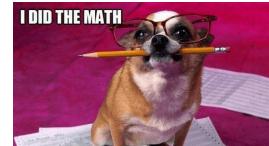
- Patient information
- Patient referral history



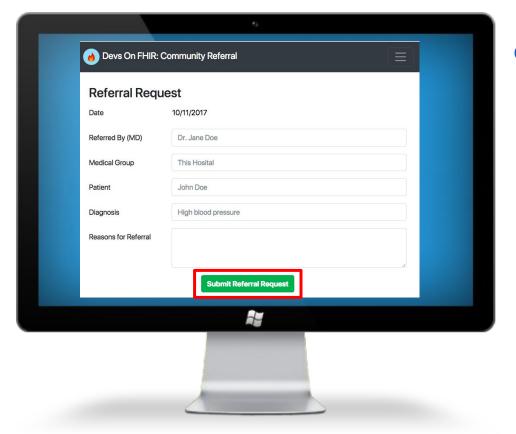


Community Referral Application (2)

- Referral program information
- Population health data results







Community Referral Application (5)

- Referral request form



```
"resourceType": "ReferralRequest",
  "id": "example",
  "text": {
    "status": "generated",
    "div". "<div
xmlns=\"http://www.w3.org/1999/xhtml\">Referral to FitPlus
for Dwight Upton</div>"
  "identifier": [
      "system":
"http://orionhealth.com/fhir/apps/referralids",
      "value": "ret4421"
  "definition": [
      "display": "Protocol for insertion of tympanic
ventilation tube"
```

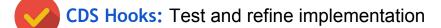
Community Referral Application (6)

- FHIR ReferralRequest JSON Object



Outstanding Elements





Web-Based Front-End Client: Integration with server-side data

Back-End Web Server: Complete FHIR data pull and population health data selection logic

Population Health Dataset: Complete mockup data





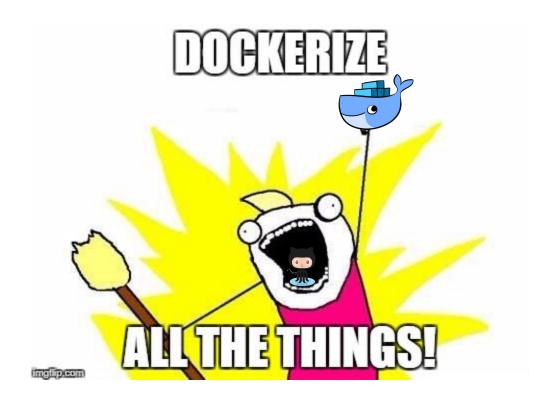






Deployment Plan

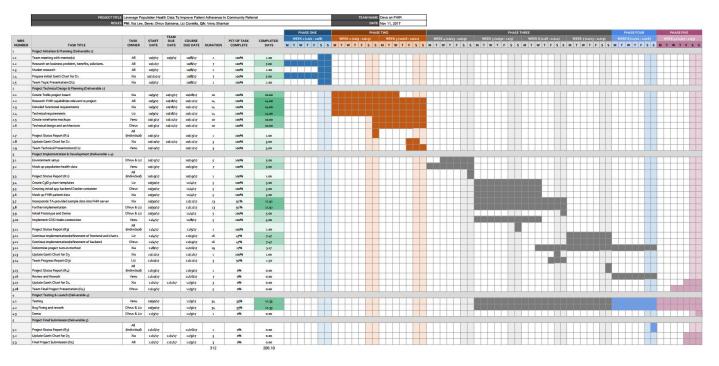




Project Plan: Gantt Chart

https://drive.google.com/open?id=1lpyMxd5u93SD1R0m1sUj_ZIZ93_4yAhE





Further Research Done















Next Steps

Continue implementation and refinement:

Client-side UI implementation Server-side application implementation Integration and testing

Additional Data:

Patient and population health data mockup

Determine project submission method:

Check with TA mentor for further input





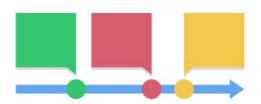




Plan for Project Completion

Application implementation:

Complete implementation, test and refine!



Discussions with mentors:

Weekly discussions



Prepare for project submission:

Deliverable 4 and 5 Github

Docker





Thanks!

