EMS Patient Data Platform

Team FHIR I/O

Team Members

1. Bryce Montano - bmontano6
2. Juan San Emeterio - jjse3
3. Haixia Shang - hshang7
4. Yu Wang - ywang3134
5. Smitha George - sgeorge65

Business Case

➔ **Problem Statement:** Lack of comprehensive and collective patient data platform which provides all patient information collating multiple providers, hospitals, physician and different illnesses; with quick look up, search, and critical data highlighting and analytics features.

➔ **Users:** First responders who cater to emergency calls and high risk transportations between medical facilities in various kinds of vehicles.

➔ **External Business Driver:** Saving the lives of patients by providing them with the most suitable care packet of diagnosis, procedures, facilities, treatment utilities and drugs.

➔ **Internal Business Driver:**

 ◆ Reduces the risk of misdiagnosis and provides timely, high quality care.

 ◆ Increases the collaboration capabilities with other FHIR compliant systems and entities.

Gantt chart

Project Status

- **Future items:**
  - **Improve security**
  - **Enable persistence**
  - **Implement all CRUD operations to FHIR DB**
  - **Add Observations from FHIR**
  - **Deleting users**
  - **Deleting emergencies**

Research

- **Interviewed Paul on numerous occasions to understand requirements**
  - Learned about his competitors and their practices
  - Many EMS companies use specific dashboards for each individual hospital or provider