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EMERGENCY MEDICAL SERVICES (EMS) PATIENT DATA

Improve EMS knowledge of patient at response time.

PROJECT OBJECTIVES

To build an electronic platform to allow EMS personnel access to patient data.

SUCCESSFUL PROJECT

The solution can be an online responsive web interface. The software should provide EMS personnel (responders) with quick access to patient data, including recent prescriptions, conditions, treatments and EMS responses. Quick searches should be available for responders to query address information or patient identifiers while en-route to the patient location.

Warning flags should notify responders of critical patient data on a single dashboard once the patient has been identified. Critical information should be highly visible and allow for quick analysis. For example, drug information may not be known to the responder. System should allow responder to obtain more detailed information on conditions, prescriptions and physicians if needed. System should allow for expansion to other medical facilities and/or services as needed. For example, other EMS services may wish to adopt the system in the future.

Required Skills:

Responsive Web Design, Java, API integration, backend development, Human Centered Design, Project Management, Communications

Preferred Team Communications:

TBD

Data Sources:

System should be built on a FHIR API, require authentication and maintain an access (audit) log tracking user queries.

Other Items:

Project has timezone flexibility. Mentors and students will determine a good time for virtual meeting

Intellectual Property: TBD