SANDRA LONG, HOLLY BIERNACKI, AND DAVID LANIER

HTTPS://WWW.LINKEDIN.COM/IN/SANDRALONG/

Required Skills:

Data flow in a healthcare system, HIPAA requirements, API, payment models, ICD and CPT codes, EMR and payment system knowledge, Project Management, Communications

Preferred Team Communications:

WEBEX, weekly or as needed

Data Sources:

Digital Record, Mentor knowledge of payment and medical review processes, External research of existing solutions (APIs), Workflow for entering clinical data and payment data from existing provider.

Other Items:

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

EMR INTEGRATION FOR PAYMENT

High healthcare costs are driving the need for all facets of the healthcare system to be more efficient. One method is to more closely integrate the systems that deliver and reimburse healthcare services so that data is more readily available when making determinations regarding coverage. Today, both of these systems are usually located on disparate systems, are accessed by different people within the provider organization, and extra time is spent overall to complete tasks. Therefore, it is important to understand what system capabilities would be needed to enable such integration of the EMR and payment systems. This will help the provider and patient to be aligned in both care and payment and to streamline processes..

PROJECT OBJECTIVES

Design a health information system that would enable integration of disparate payment and EMR tools (prior authorization, claims submission, and medical reviews).

SUCCESSFUL PROJECT

The solution will include system requirements, flow diagrams, proof of concept, API requirements, and competitive analysis of existing market solutions. The patient's digital record can be used as guidance for the additional tasks to integrate.

This project focuses primarily on provider simplification than consumer. Enabling better quality transfer of information by the provider will decrease errors and reduce confusion for the consumer. Since it is often challenging to change the systems utilized by organizations, a recommendation of the types of information that should be integrated and potential solutions to do such is needed.

Intellectual Property: Project involves a government agency so the resulting project is made available to the public. Students do not own IP. Students will be recognized as contributors