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Using Strategic Business Process Architecture Models to Create a Process Architecture Reference for the Healthcare Industry

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Overview: Applying Enterprise Architecture fundamentals to the healthcare industry can create a process architecture reference model in order to aid in the industry’s process management and improvement efforts.

Introduction
• Enterprise Architecture (EA) provides a broad overview of all the essential components/functions of a business
• This project applies EA fundamentals to create a standard process architecture reference model for the healthcare industry
• The goals of the final model are to increase departmental efficiency, decrease error, and to eliminate waste

Methodology
• Research of modern architectures in order to modify the existing process architecture model prototype
• Creation of an industry “standard” through the study of:
  • Existing process maps
  • Hospital observations

Focal Processes
• STAT Lab Tests
• Emergency Room
• Operating Room
• Linen
• Pre-Operation
• Lab Processes

Implementation
• Possible future addition of a section dedicated to outputs/outcomes of processes
• These models are based off of observations from 3 hospitals, and therefore must be adjusted appropriately before use
• The intended use for the models are as a starting point for lean six sigma projects, and not as a solution in themselves

Design

Process Architecture Template developed by: Sandy Furterer and Jordan Green © 2017

Key Features
• Each processes’ cover sheet outlines the process stakeholders, documents, and systems
• Subsequent sheets contain roles, knowledge, system/method, and documents with specific correlation to a process map

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