Major Ideas Incorporated Into Design

- LEAN Principles
- Sustainability
- State of the Art Technology
- Scalability of Design
- Open Communication Between Staff
- Geriatric vs. Pediatric
- Privacy
- Security
- Healing environment

LEAN

LEAN is a management system with the following goals

- Identification and steady elimination of waste
- Improvement of quality
- Improvement of production time
- Cost reduction—human, monetary, etc.

TEAM

Corina Abrudan
Civil Engineering

Alex Bauer
Civil Engineering

Larissa Groszko
Architecture

Chris Heppel
Architecture

Christine Ly
Architecture

Jeremy Moore
Architecture

Jessica patera
Architecture

Rafal Stawarz
Architecture

Ryan Strand
Computer Engineering

Dan Tian
Biomedical Engineering

Aknowledgements

access community health network

Steven Glass
Chief Information officer/ Performance Improvement officer

Bessie Harris
Director, Performance Improvement and Systems Redesign

SOM.com
Skidmore, Owings & Merrill LLP

Matthew Miller, AIA
Architect

ILLINOIS INSTITUTE OF TECHNOLOGY

Daniel Ferguson
Professor

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IPRO 340

Problem: A Large Number of metropolitan Chicago's population is uninsured or underinsuredand do not have a means of recieving long term health care.

Solution: Design a state of the art community health care center to improve the quality of care provided

IPRO Interprofessional Projects Program

Process Mapping

Group Members: Larissa Groszko, Corina Abrudan, Dan Tian, Jeremy Moore, Jessica Patera

5 Sub teams:

- Registration
- Examination
- Lab
- Referral
- Discharge

Objectives

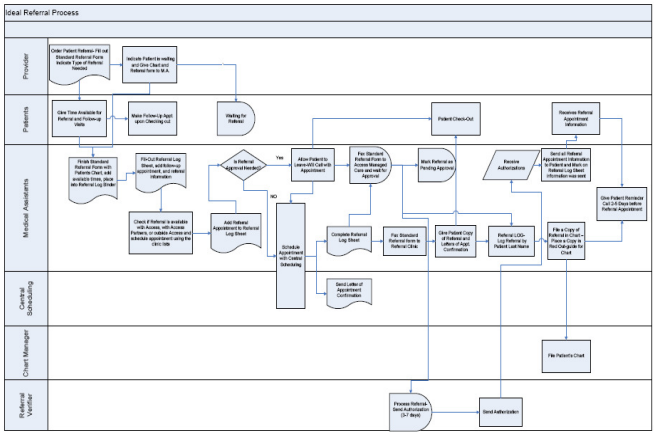
- Create process map for each process
- Incorporate length of time into process maps

Research

- Site visit and observations
- Interviews on processes with Access staff
- Guide to process mapping book
- LEAN principles

Deliverables

- Process maps for each process approved by Access



State of the Art

Group Members: Alex Bauer, Christine Ly, Rafal Stawarz, Ryan Strand, Chris Heppel

4 Research Areas:

- Infection Control
- Information Technology
- Medical Technology
- Sustainable Technology

Objectives

- Determine the direction of future technologies
- Incorporate the advances in technology into the design of the facility

Research

- Interviews with professionals who have knowledge of the current trends in medical technology
- Researching current technology and projecting the likely development over the next five to ten years

Deliverables

- Top ten technologies to be included in the final design of the facility

Facility Design

Design Group 1: Jessica Patera, Alex Bauer, Dan Tian, Christine Ly, Rafal Stawarz, Corina Abrudan
Design Group 2: Larissa Groszko, Ryan Strand, Chris Heppel, Jeremy Moore

Objectives

- Create floor plan for a community health center of the future
- Create an expandable and contractible floor plan design
- Incorporate LEAN principles, adjacency diagram, and technology research into design

Deliverables

- Final floor plan designs from both groups
- Assumptions and objectives implemented in the design