Mission: To transform the process of the design of the healthcare built environment, clinical processes, and technology, and establish a new field of academic healthcare research which is trans-disciplinary.

Vision: We will be the leader in integrated, trans-disciplinary healthcare simulation design and research.
Using the Built Environment to Improve Healthcare Systems

The SimTigrate Approach

**Analyze Problems**
- Build Evidence Base
- Link Design to Key Outcomes
- Collaborate with major government & industry partners
- Evaluate Issues Impacting Healthcare Design

**Conduct Research**
- Field Studies
- Simulation Tools
- Explore & Test Solutions
- Improving Care Coordination
- Improving Well-being through the Built Environment

**Speed up Learning and Innovation**
- Optimizing Space Utilization and Care Process Using Simulation Modeling
- Predict Design Models through Evidence-Based Design
- Precision Planning

**Develop Guidance**
- Translate Evidence Base
- Solve Real World Problems
- Provide Consistent Experience and Quality of Care across Sites
Conduct Research in the Field

b) Framework

- Risky Behaviors
- Environmental Insufficiency
- Desirable Behaviors
- Environmental Requirements
  - What does the environment need to be like to achieve those goals?
- Criteria
  - How do we measure success?
- Strategies
  - What are the solutions to meet the criteria?
Speeding up Learning and Innovation Through Rapid Prototyping
Assessing the Design of Outpatient Clinics for Team-based Care

Functional Scenario Method

“RNs and rooming staff need to be aware of the status of the overall clinic”
Mild Cognitive Impairment Empowerment Program

Provide Scaffolding and Stimulation: Safe Smart Kitchen to increase independence