



**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

## 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

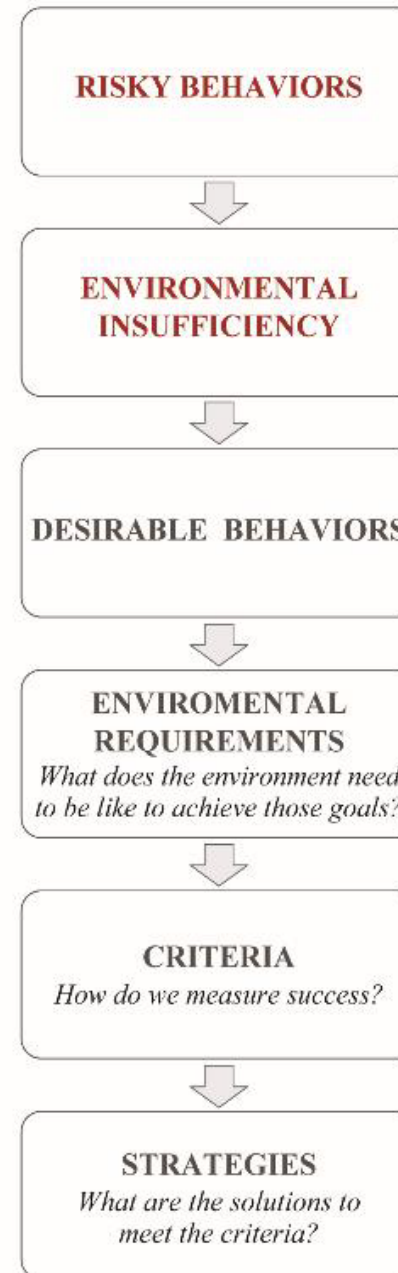
## Develop Guidance

- Translate Evidence Base
- Solve Real World Problems
- Provide Consistent Experience and Quality of Care across Sites

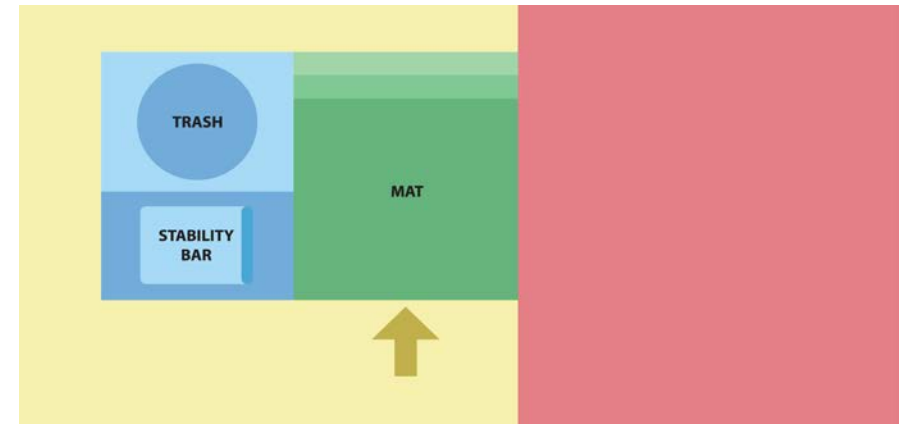




b) Framework



Conduct Research in the Field



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”



Develop functional scenarios



Develop metrics & criteria for analysis



Analyzing each case study



Compare across cases



Extract design features

# Mild Cognitive Impairment Empowerment Program



**Provide Scaffolding and Stimulation:  
Safe Smart Kitchen**  
to increase independence





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