

#### **Partners**





de jong gortemaker algra











#### Content

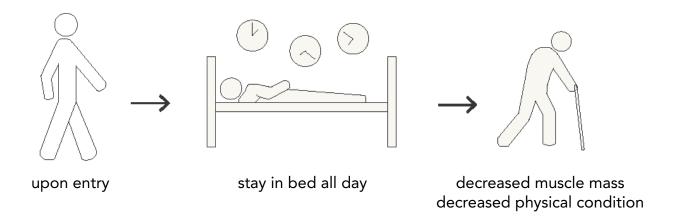
- Where we come from & the road ahead...
- Process
- Changing mindset
- The reactivating concept
- patient room to sleeping room reorganize activities reorganize time & space
- Implementation Diakonessen Hospital Utrecht (NL)
   new design department
   story Mrs. Robertson

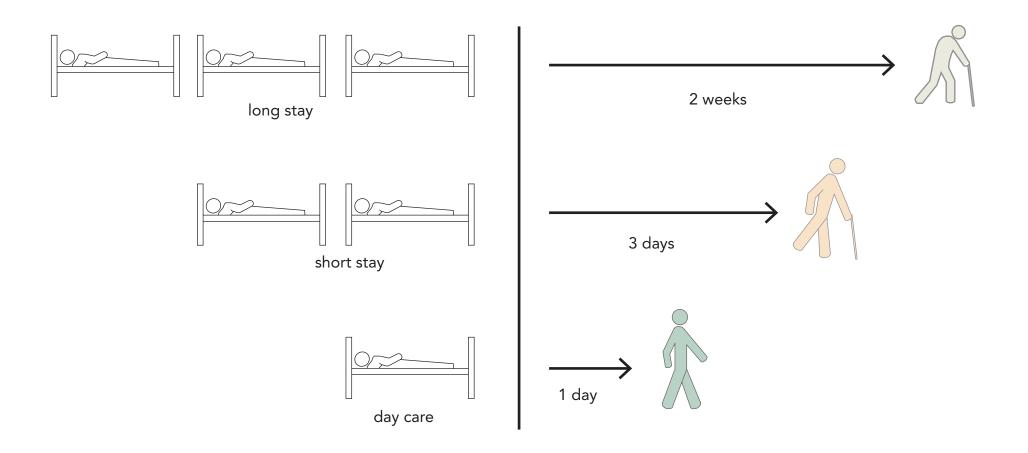
Implementation Maastricht University Medical Center (NL)

step by step approach
three interventions

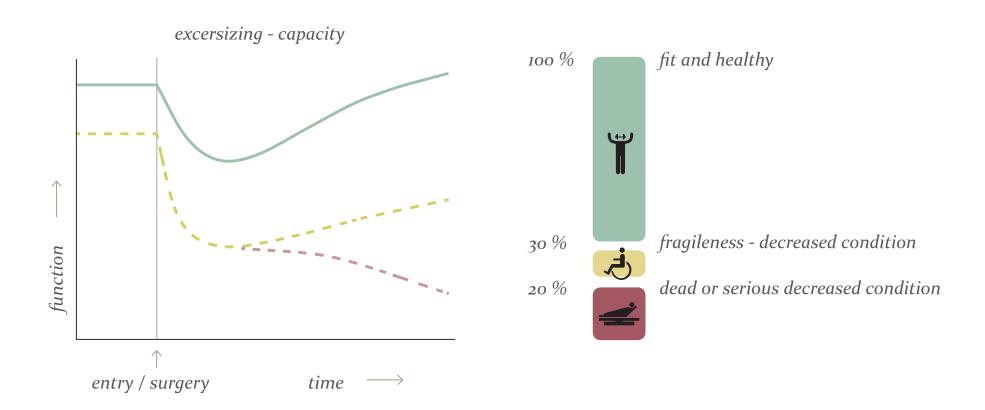
#### Where we come from



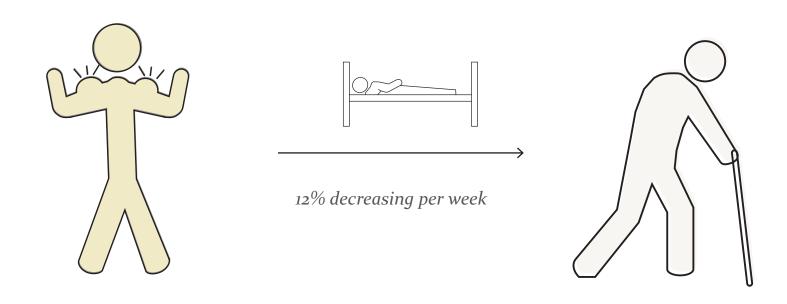




# **PRESENT**

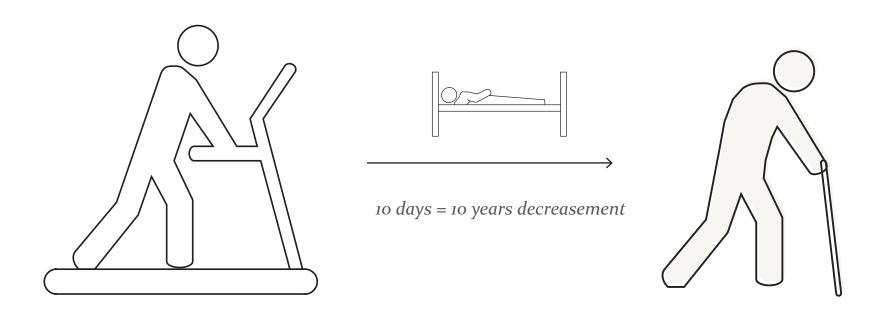


# The road ahead... Muscle strength

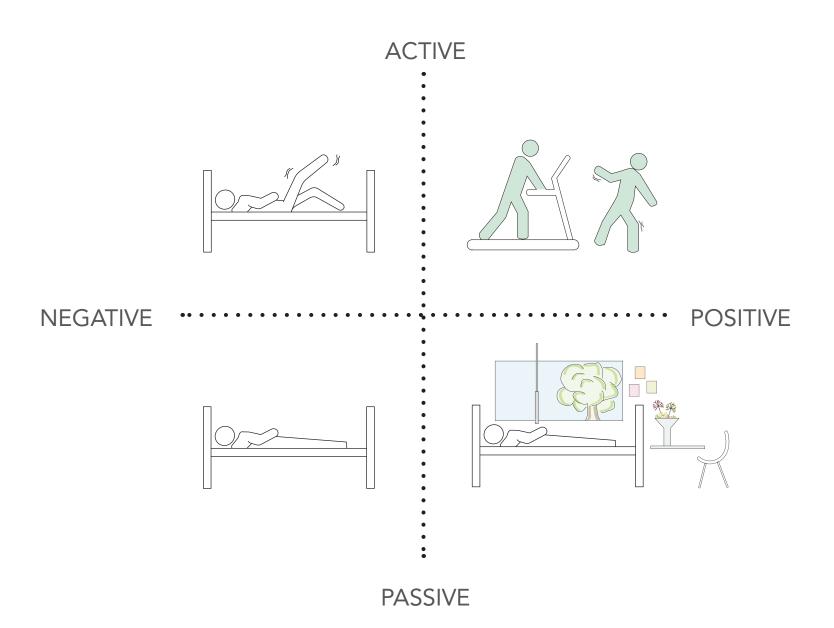


"Due to inactivity, muscle strength reduces by 12% per week, during hospitalization. 10 days of bed rest in hospital, results in deconditioning, equal to 10 years of aging."

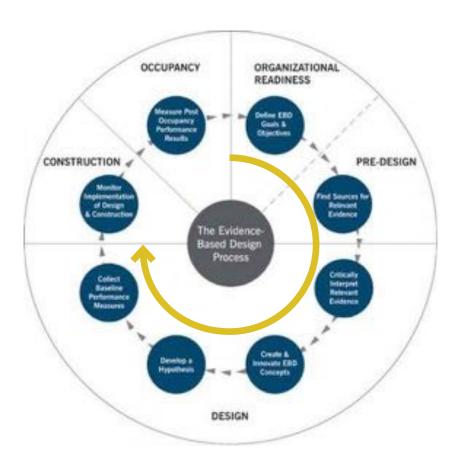
Fysical condition



"Due to inactivity, muscle strength reduces by 12% per week, during hospitalization. 10 days of bed rest in hospital, results in deconditioning, equal to 10 years of aging."



#### **Process**

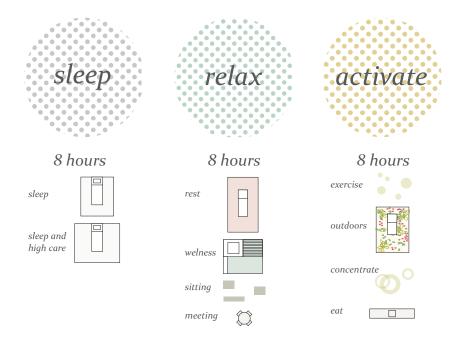




#### **Process**

4 meetings at Diakonessen Hospital Utrecht (NL)





meeting 1
demands & changes organisation

meeting 2 concept reorganising time & space

#### Process

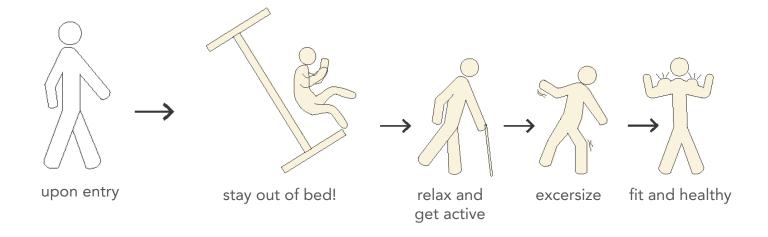
4 meetings at Diakonessen Hospital Utrecht (NL)

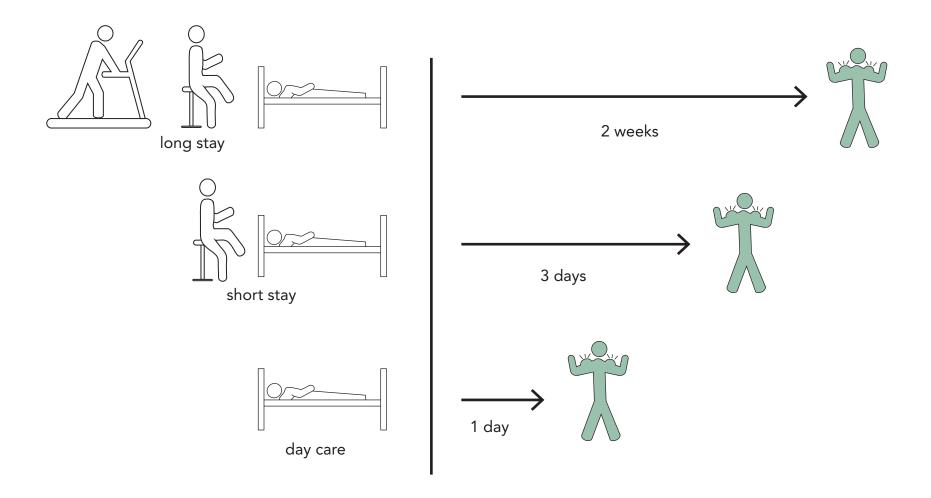




meeting 3 discussion preliminary design with nurses & management

meeting 4
presentation final design to Board Diakonessen Hospital





**FUTURE** 



as long as we do this...



... this won't happen

## The reactivating concept



division of time PRESENT

## The reactivating concept





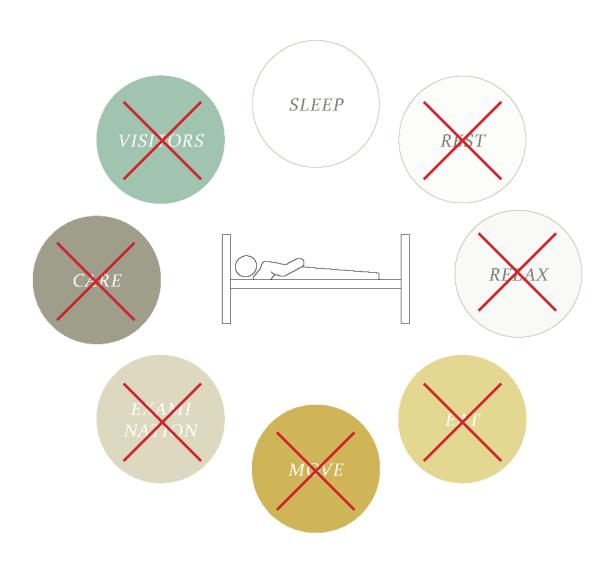
division of space PRESENT

## The reactivating concept

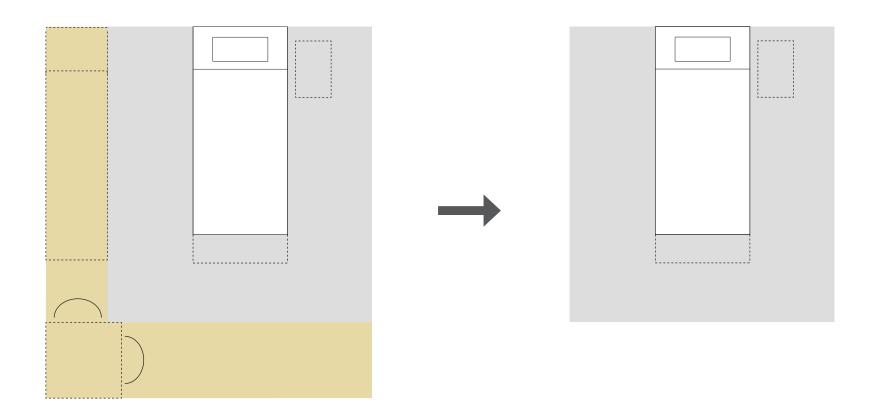


division of time and space FUTURE

# Patient room becomes sleeping room



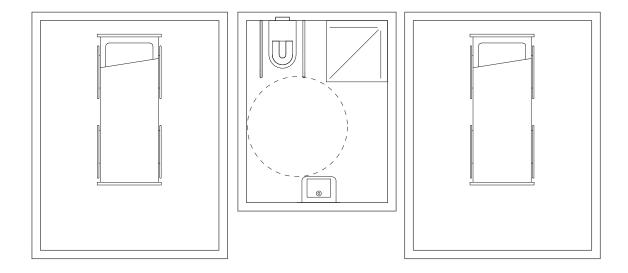
## Patient room becomes sleeping room



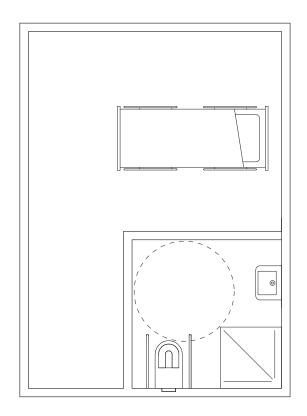
sizing down the bedroom to the absolute minumum

# Patient room becomes sleeping room

#### standard room with shared bathroom

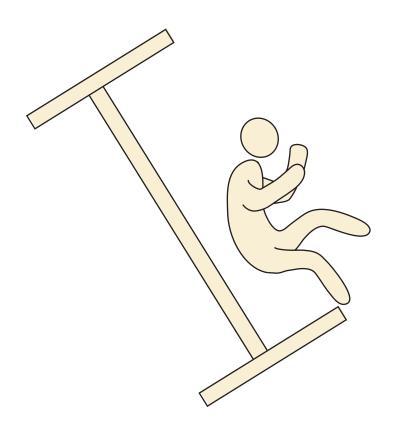


#### care room with own bathroom



2 types of rooms

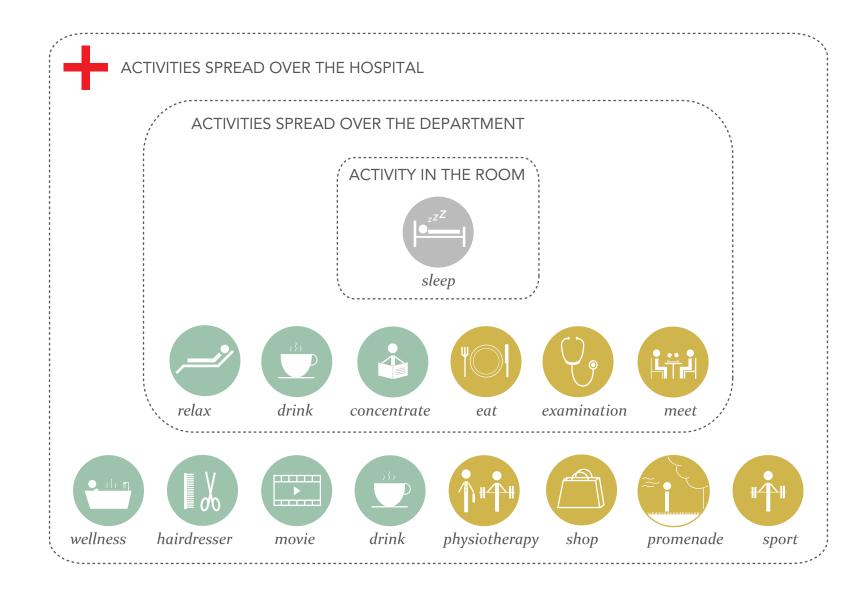
# Stay out of bed!



#### Reorganize activities



#### Reorganize activities



#### Reorganize time and space



Diakonessen Hospital Utrecht (NL)



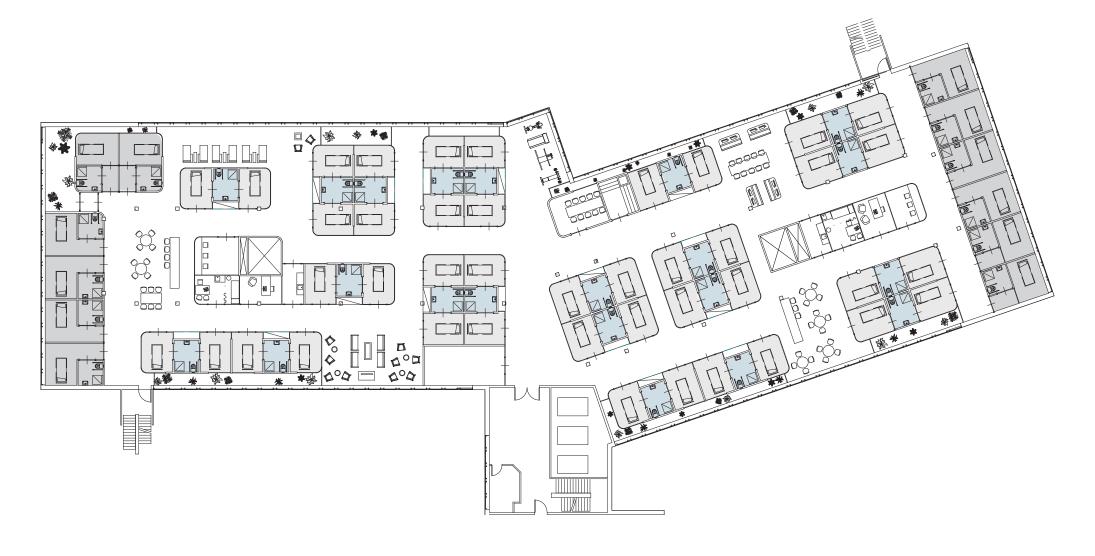
PRESENT SITUATION

Diakonessen Hospital Utrecht (NL)

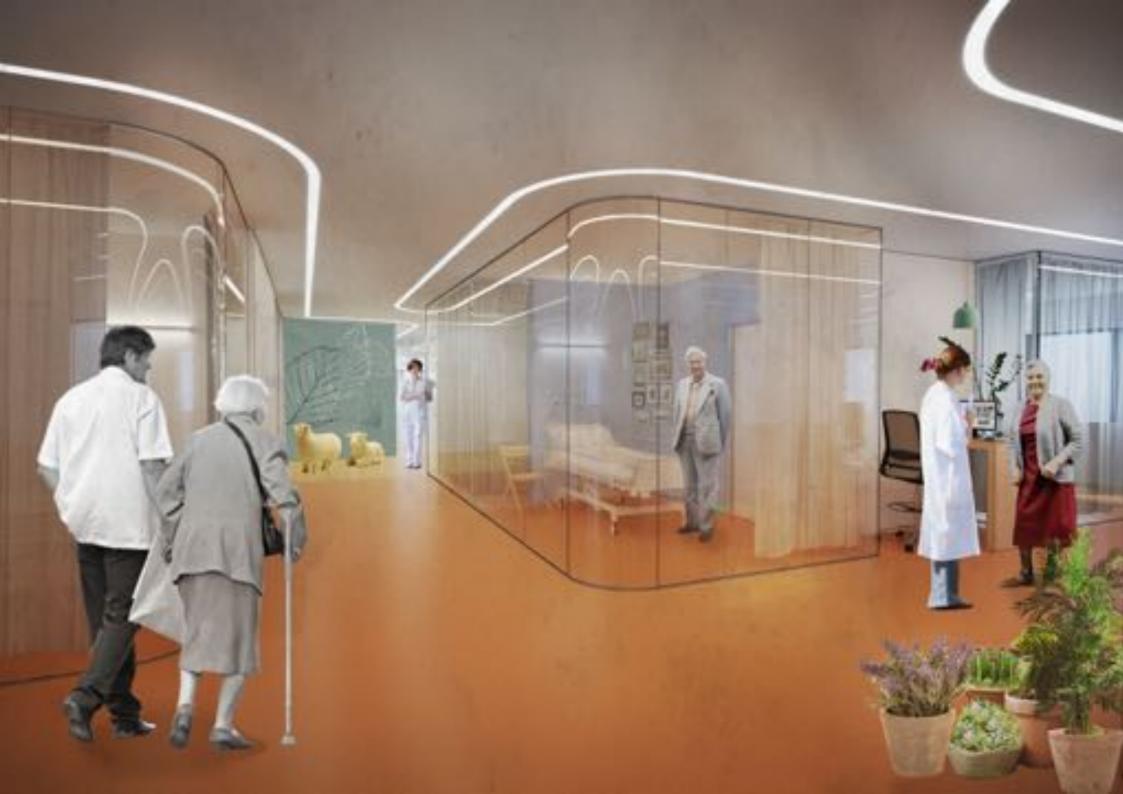


**FUTURE SITUATION** 

sleeping rooms







restaurant



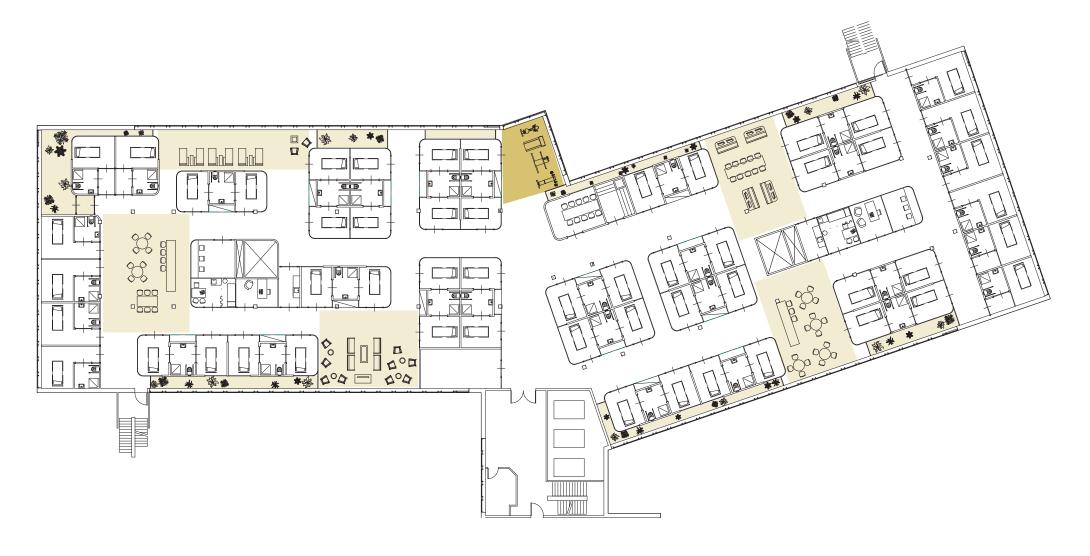


living room





gym



garden





library



lounge



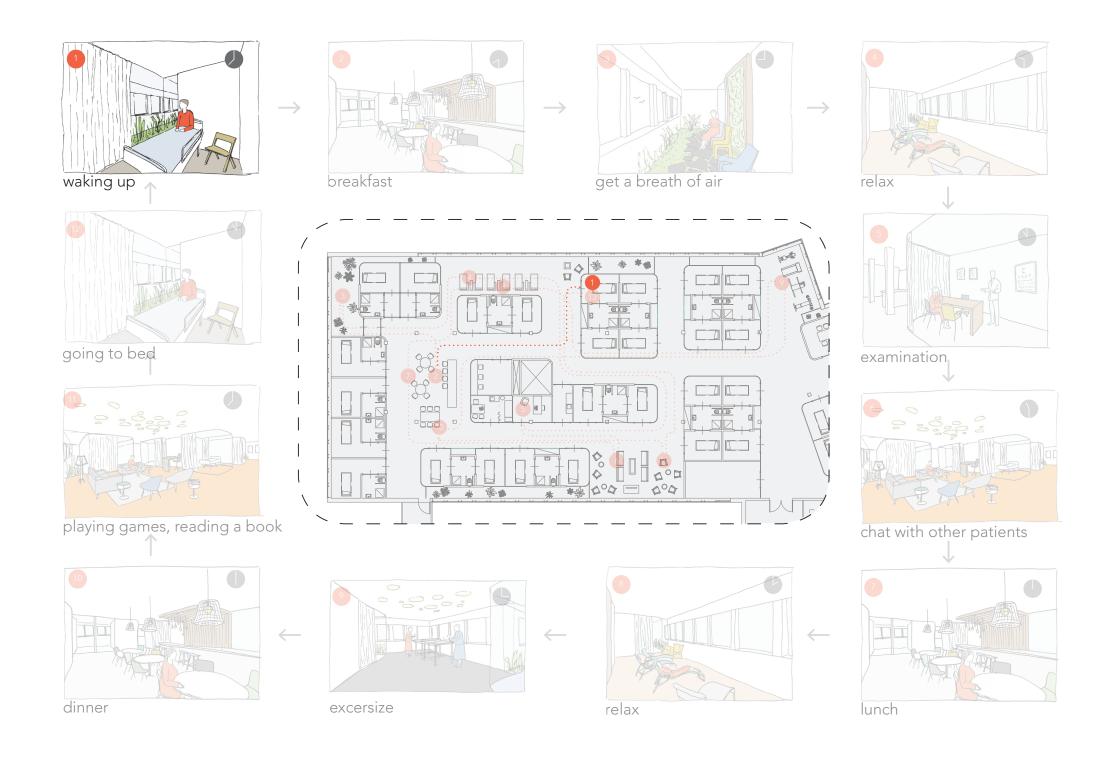


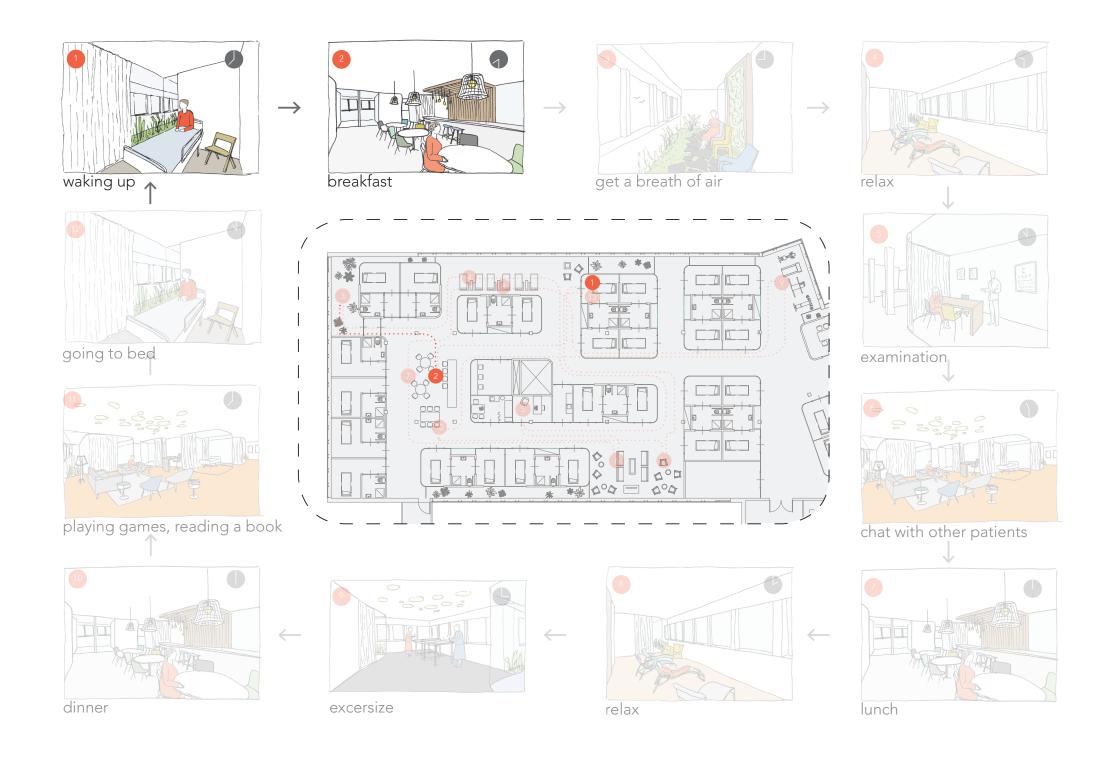
situation during the day

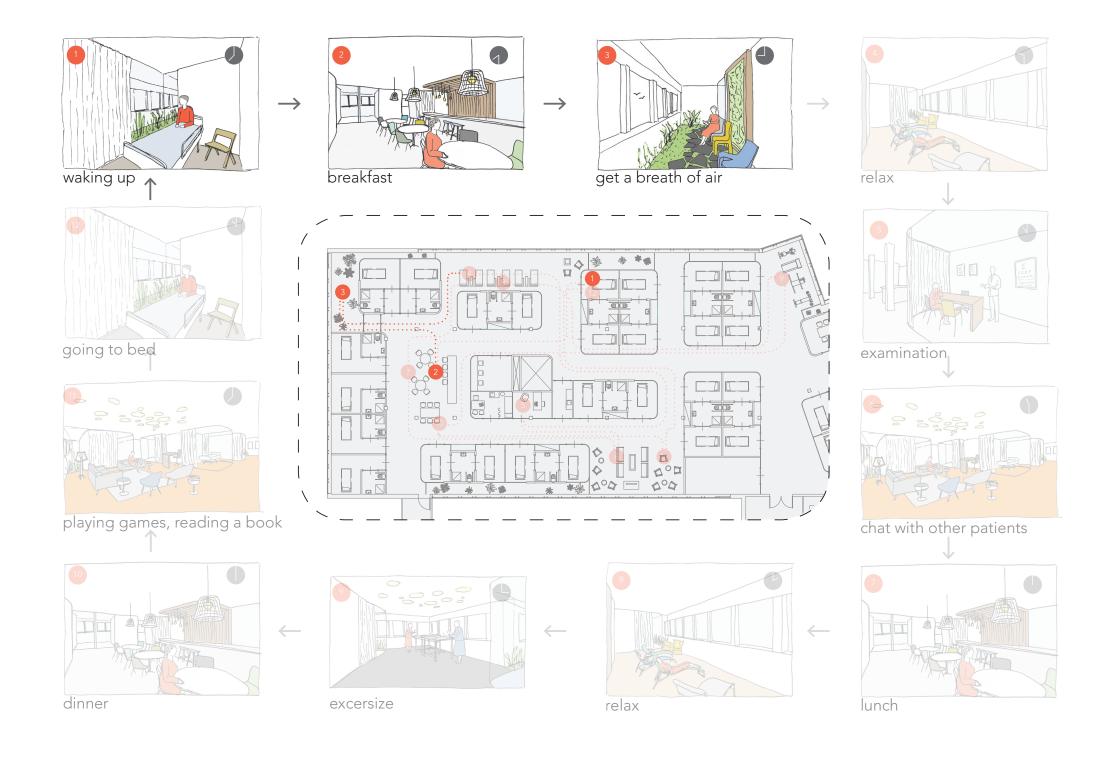


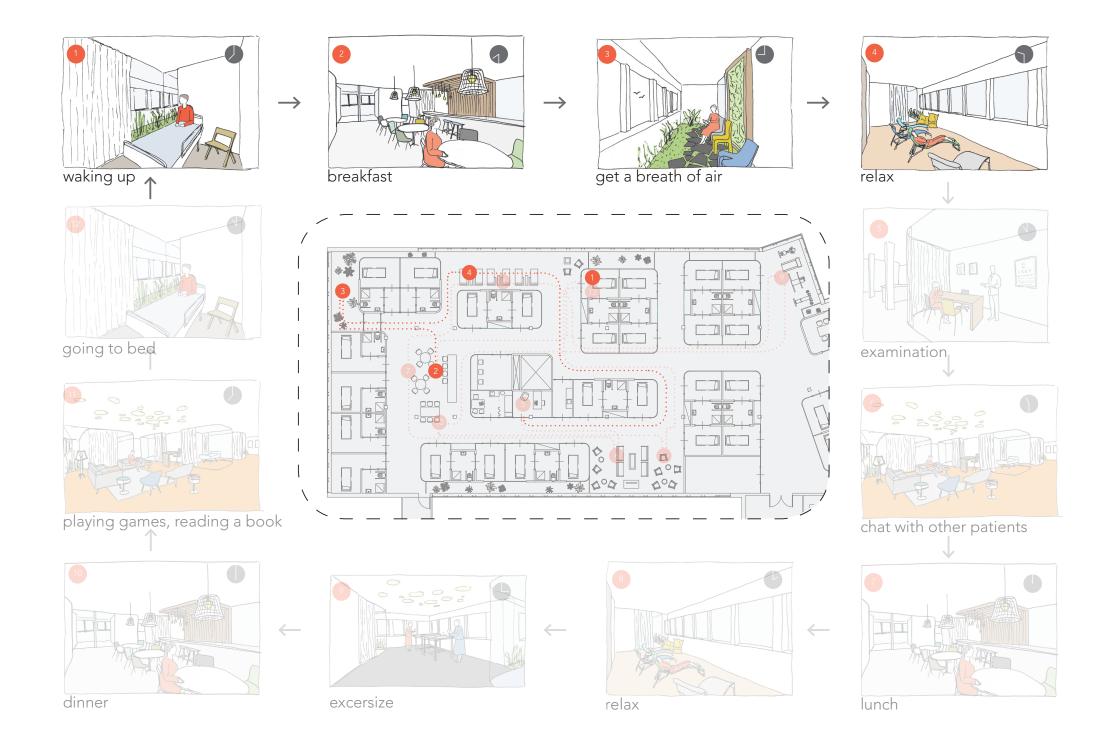
situation at night

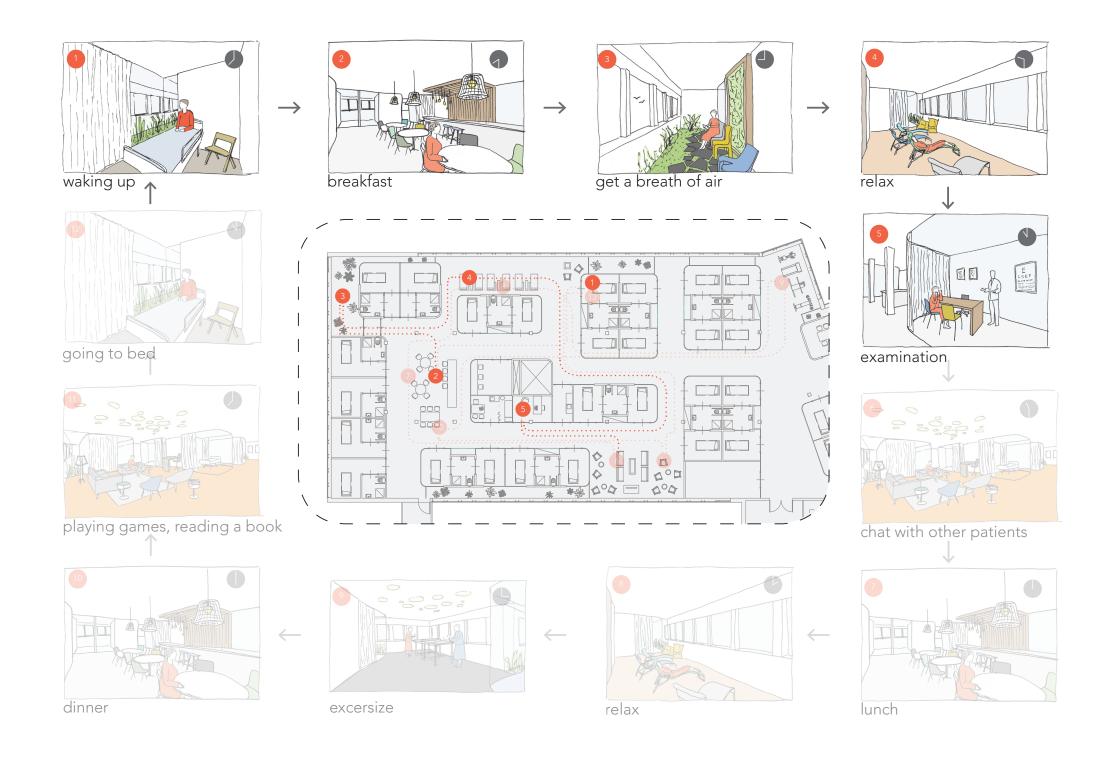


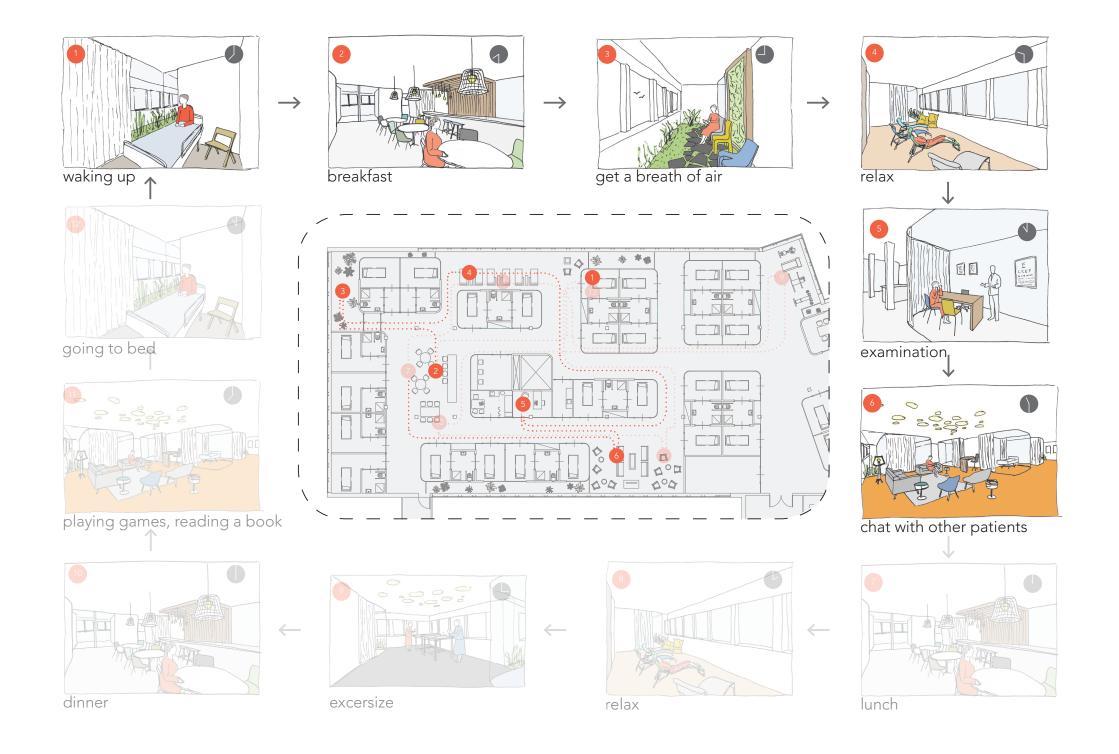


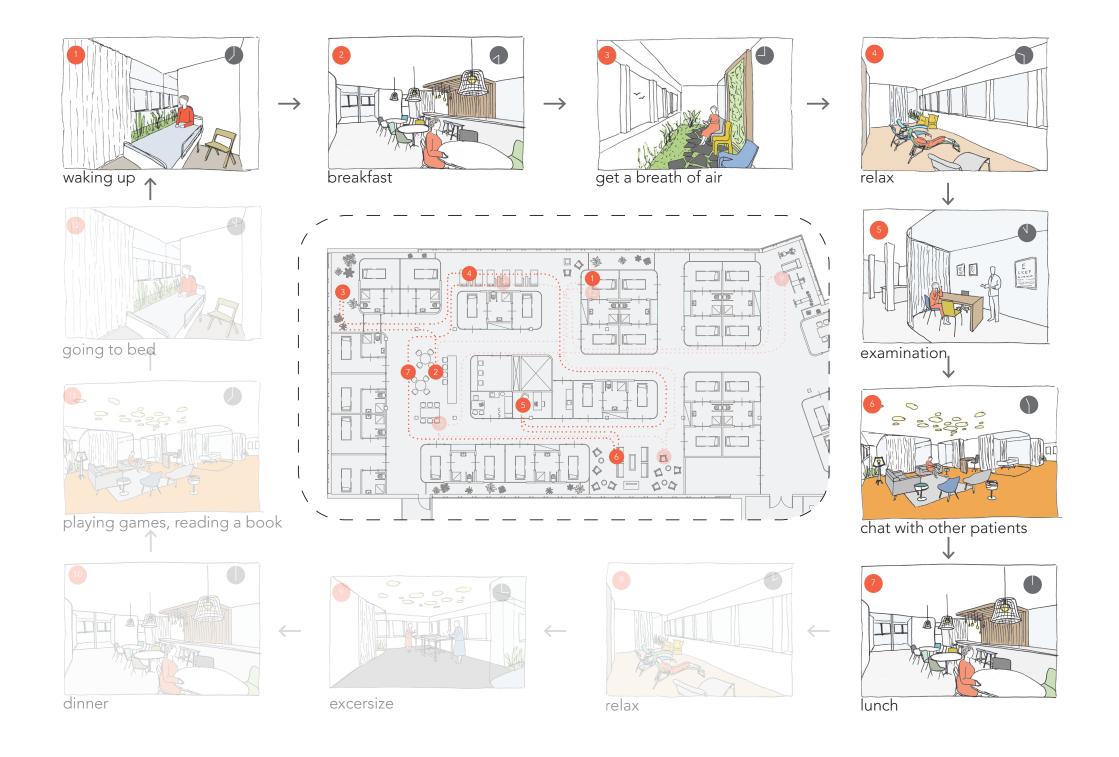


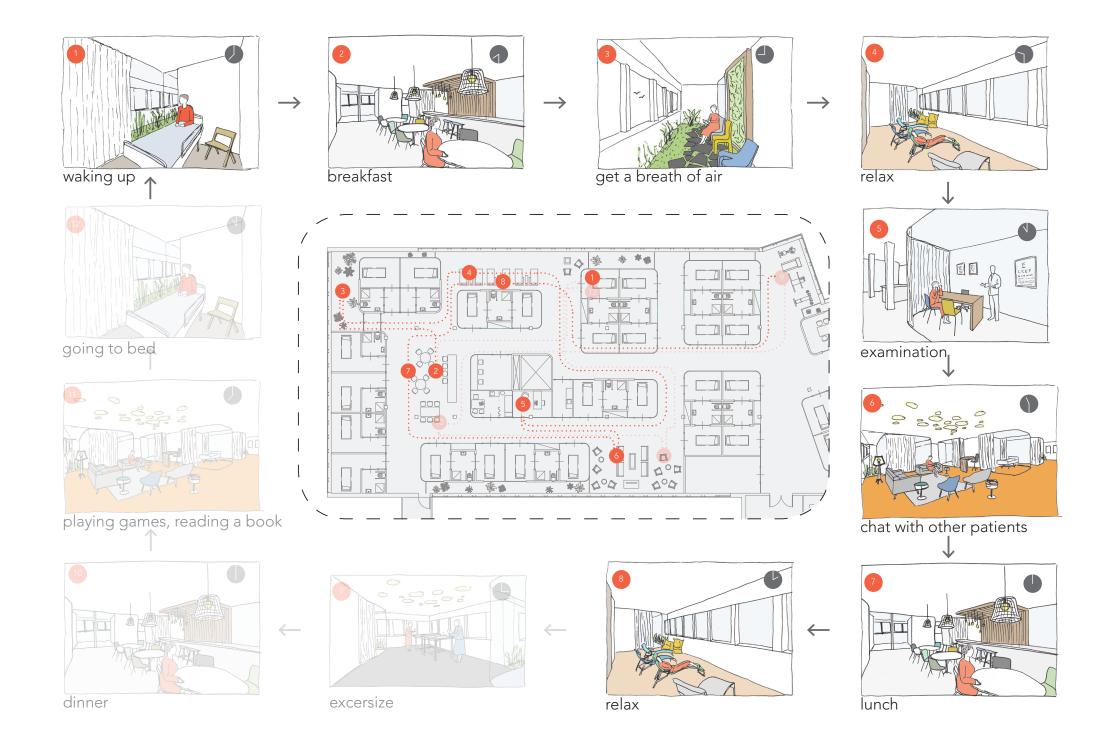


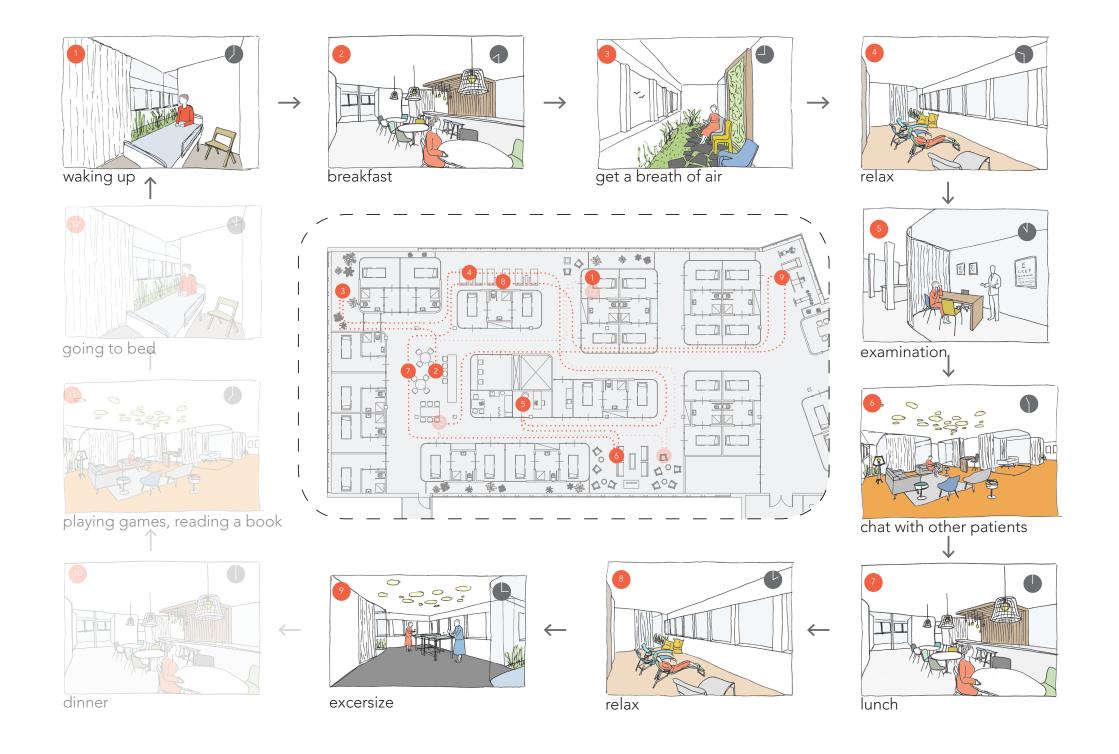


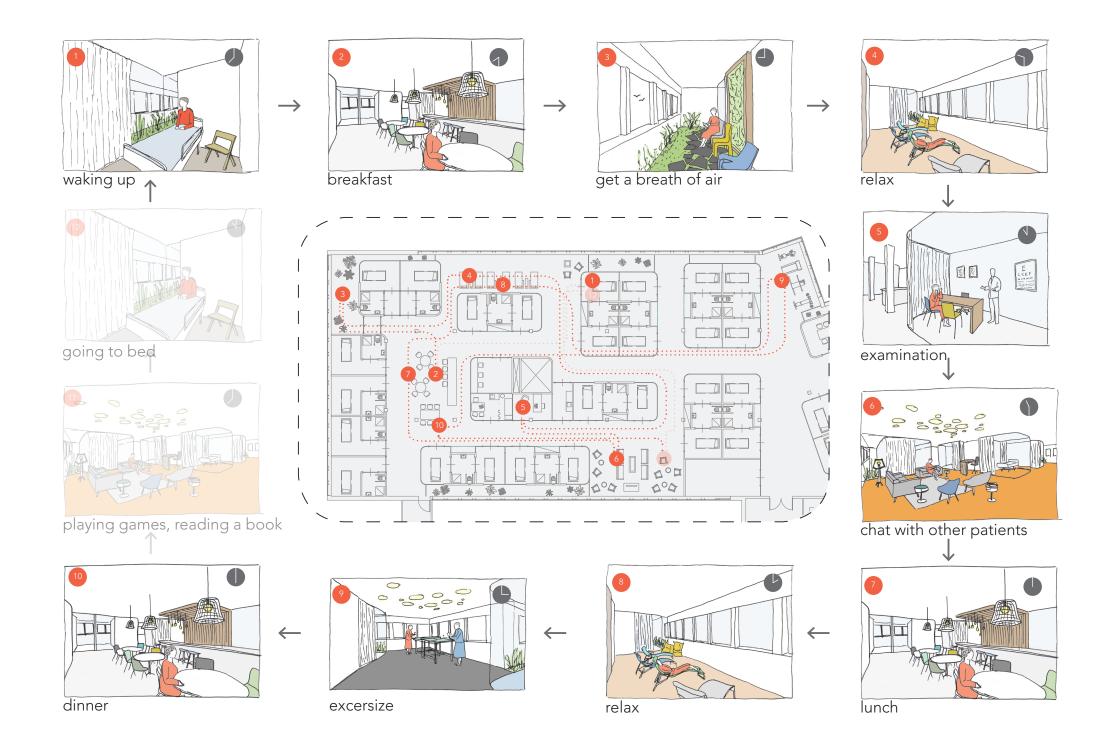


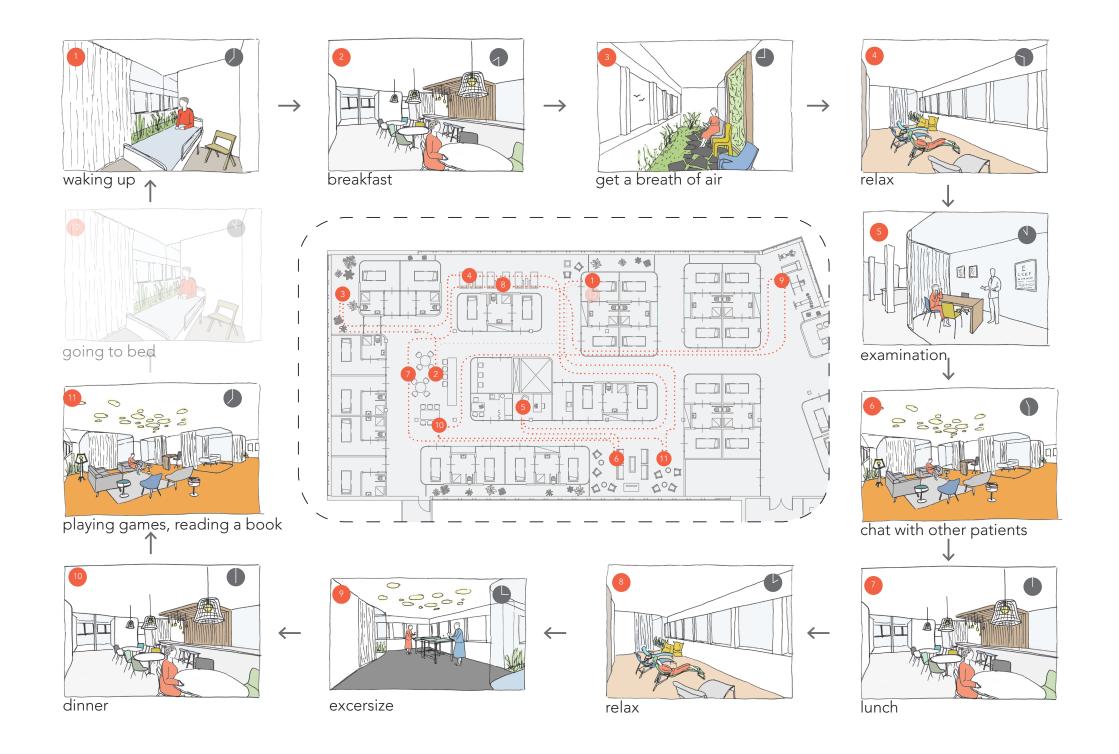


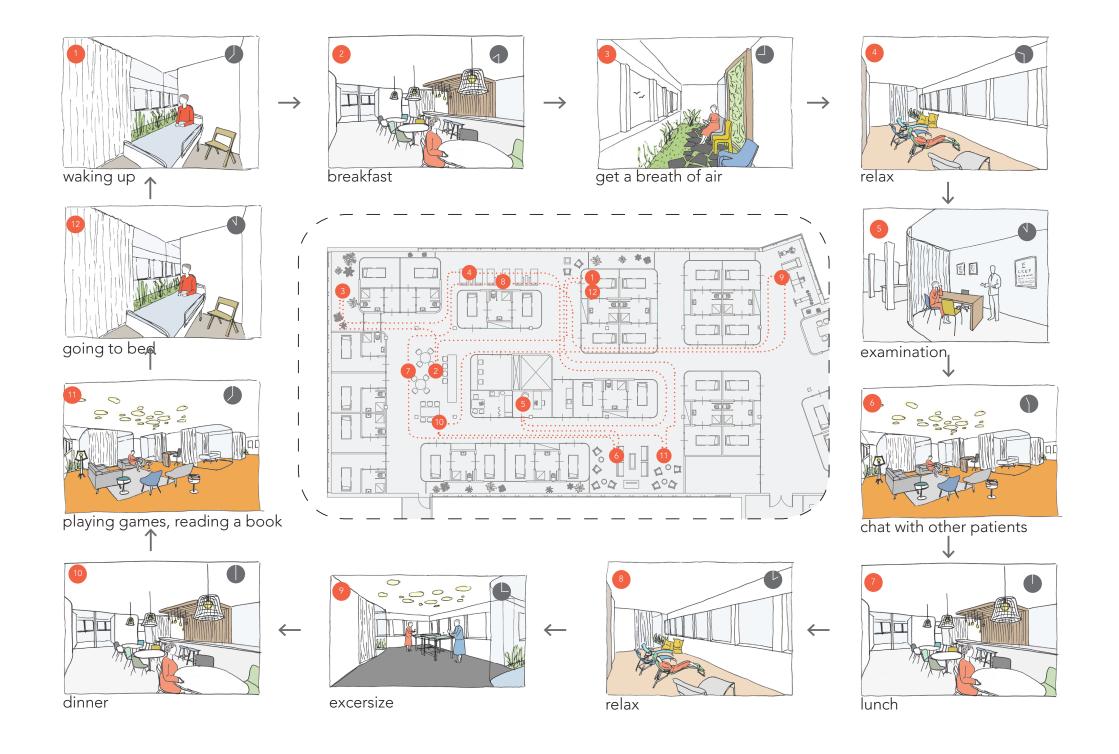




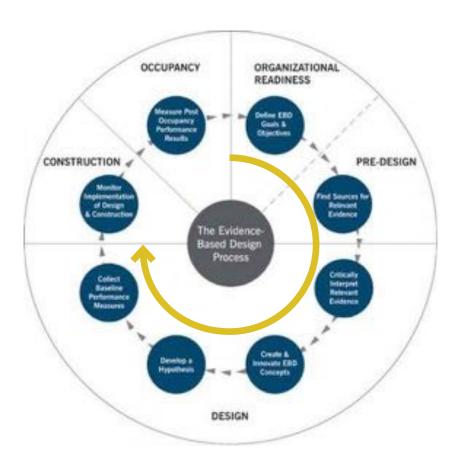






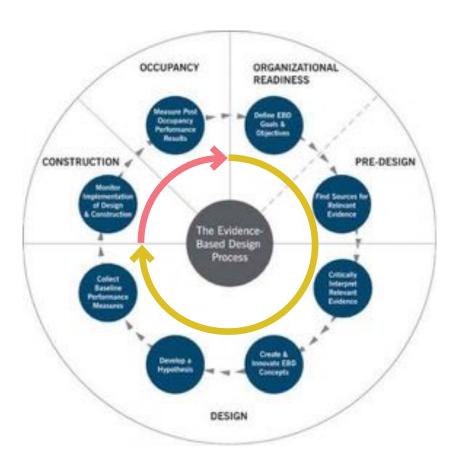


#### **Process**





#### **Process**





Process Maastricht University Medical Center Passed process Diakonessen Hospital

#### **Partners**



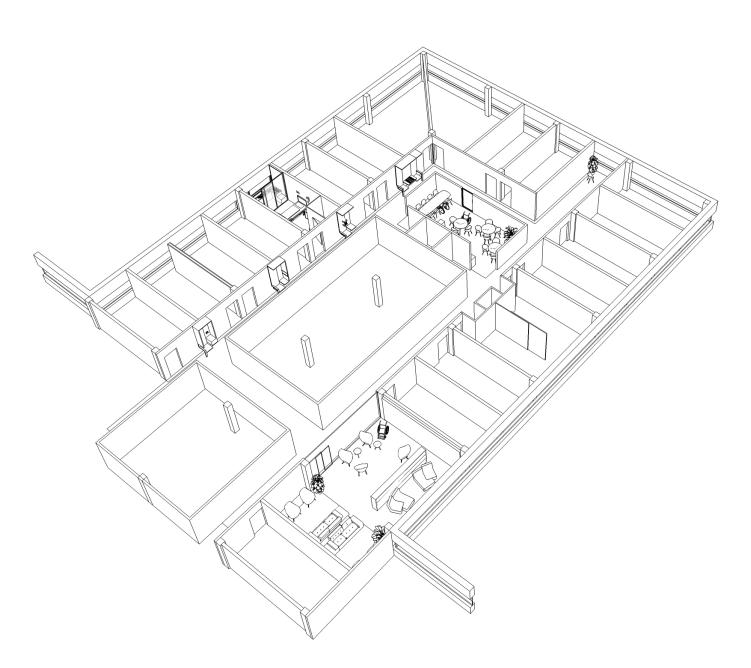
SBIR program
Small Business Innovation Research





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### Department Test Case MUMC



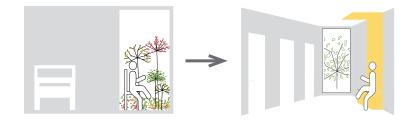
#### Maastricht University Medical Center

STEP BY STEP:

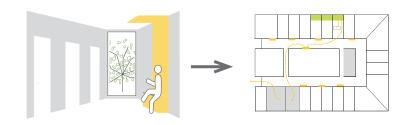
from bed to room



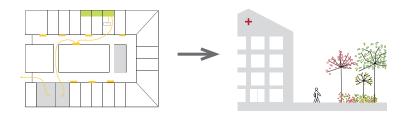
from room to corridor



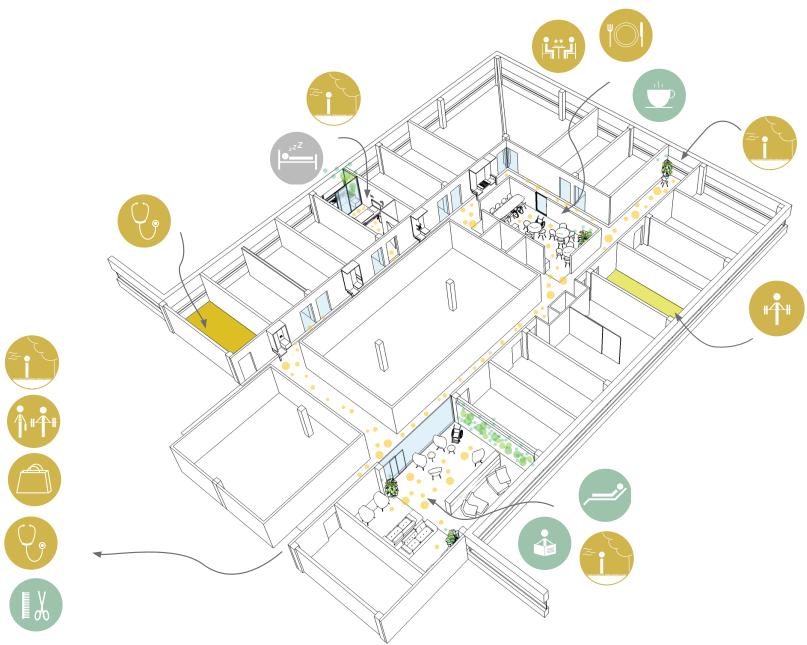
from corridor to department



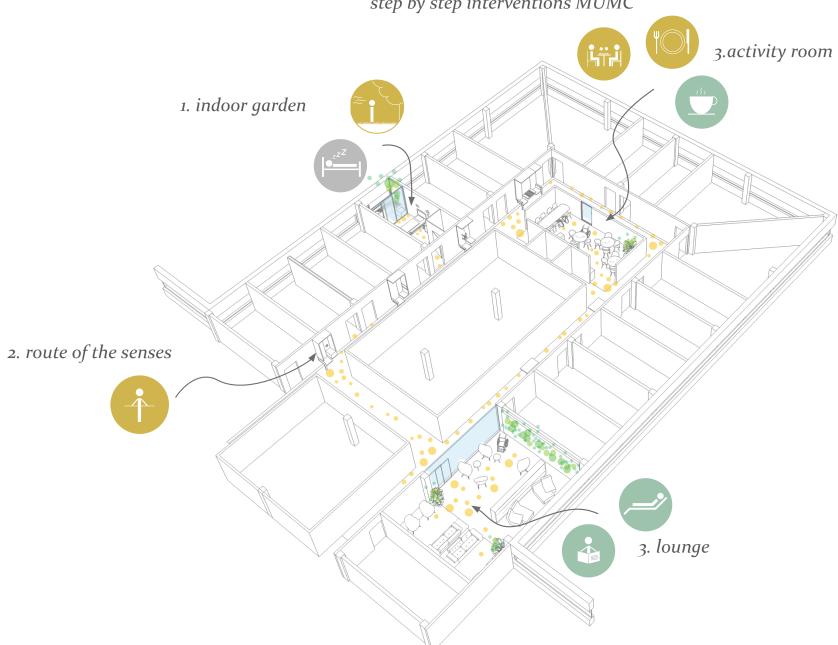
from department to surroundings



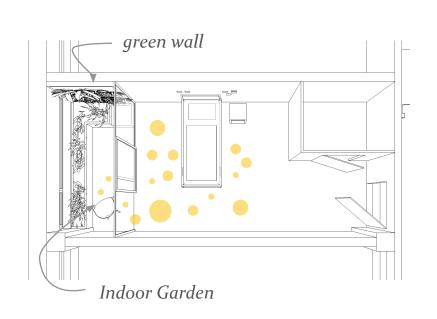
#### Possible interventions MUMC



*step by step interventions MUMC* 



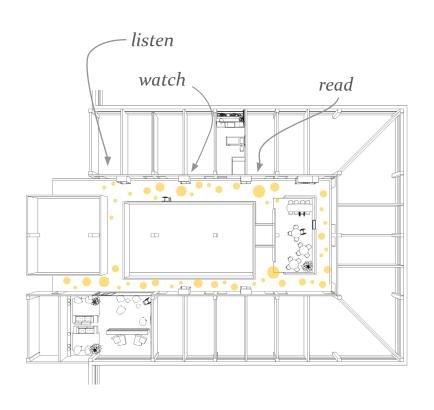
*Intervention 1: Indoor Garden* 





Step 1: From bed to room: stimulance to get out of bed

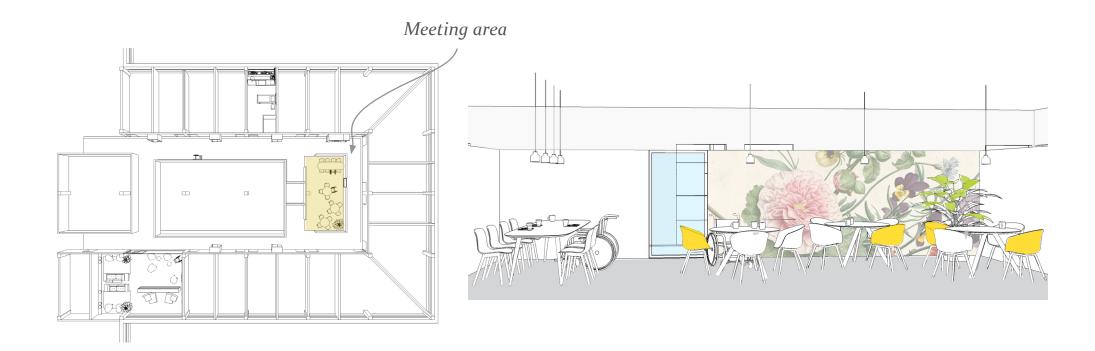
*Intervention 2: Route of the senses* 





Step 2: From room to corridor: stimulance to get out of the room and use corridor

#### Intervention 3: Meeting area



*Intervention 3: Lounge* 



