

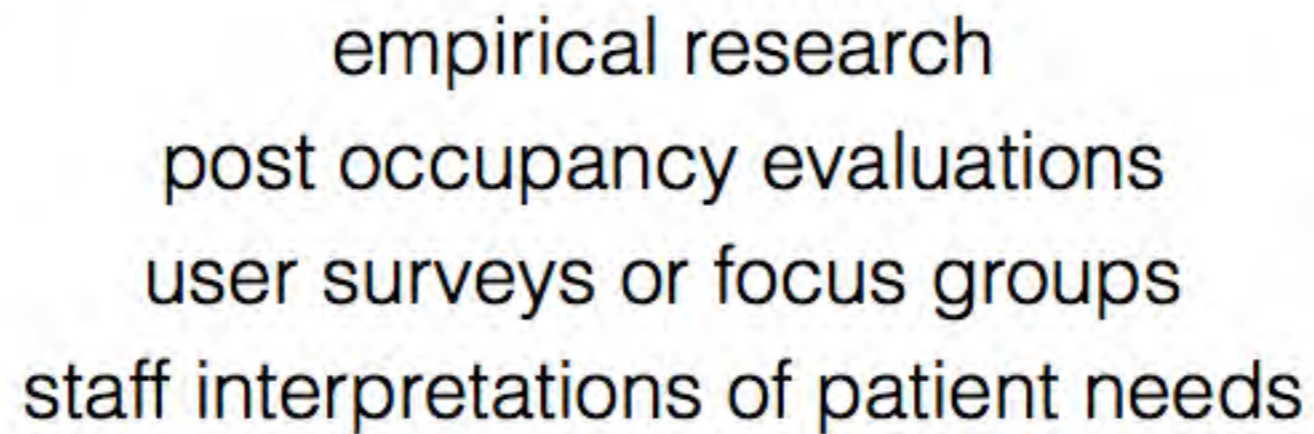
Exploring Patient Perspectives in Design

participation research in the
inpatient rehabilitation care setting


Kate Okrasinski, MSC

Design and Health
11th World Congress and Exhibition

Existing Design Research



- empirical research
- post occupancy evaluations
- user surveys or focus groups
- staff interpretations of patient needs



but very few ask the user:
how would you design your care environment?

Participatory Research

[user is the expert]
capture experience
identify influence
collaboratively innovate

perspective



The ideal inpatient rehabilitation ward:

exploring patient perspectives on the built environment to guide ward design.

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research context



research context

inpatient rehabilitation

weeks - months

inpatient hospital

5-7 days

nursing care

end of life

Nature of the Care Provided

clinically stable
intensive daily therapies

Goals and Aims of the Care Provided

discharge home
return to meaningful roles and activities

research context



“recovering a new sense of self and of purpose within and beyond the limits of the disability.” (Deegan, 1988)

research question

What do patients, need and value within the design of an inpatient rehabilitation ward, and which design strategies emerge from the prioritization of these needs and values?

research question

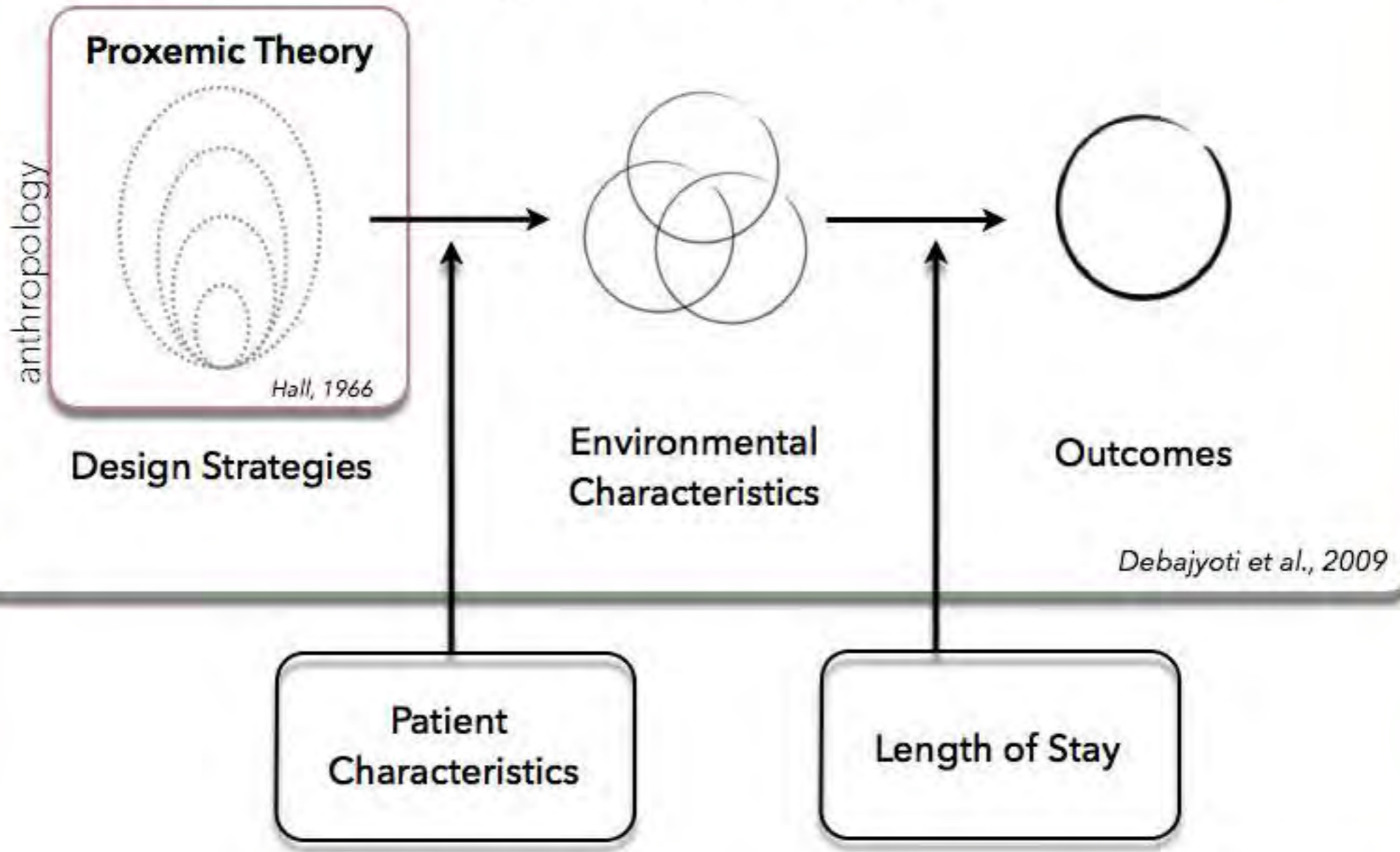
What do patients, need and value within the design of an inpatient rehabilitation ward, and which design strategies emerge from the prioritization of these needs and values?

how do patients organize space?

what aspects of their environment influence their experience?

Patient Environment and Stress Framework

The Center for Health Design Evaluation Framework



environmental psychology

architecture

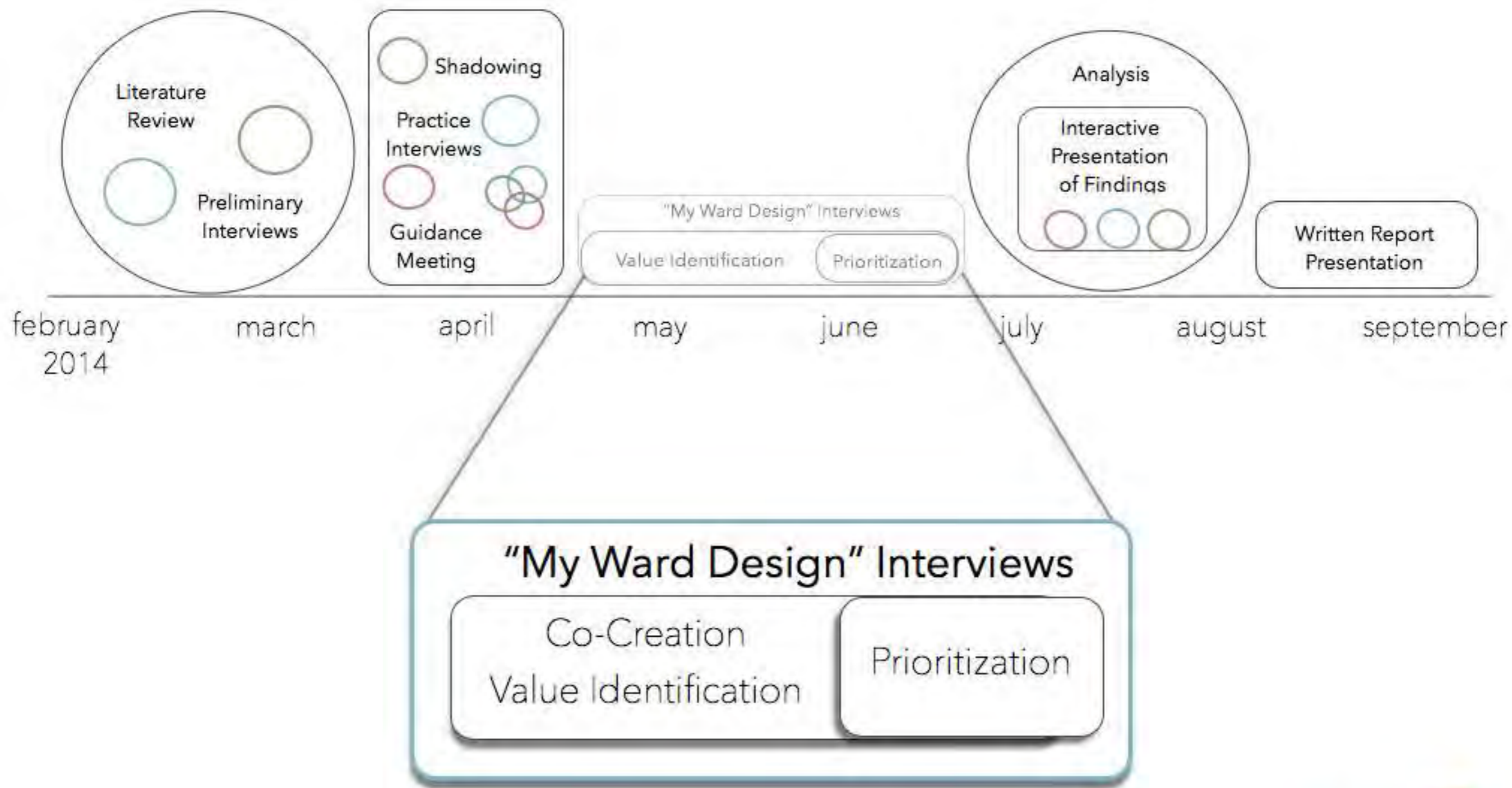
anthropology

Rashid and Zimring, 2008

research timeline



research timeline



research materials



drawings

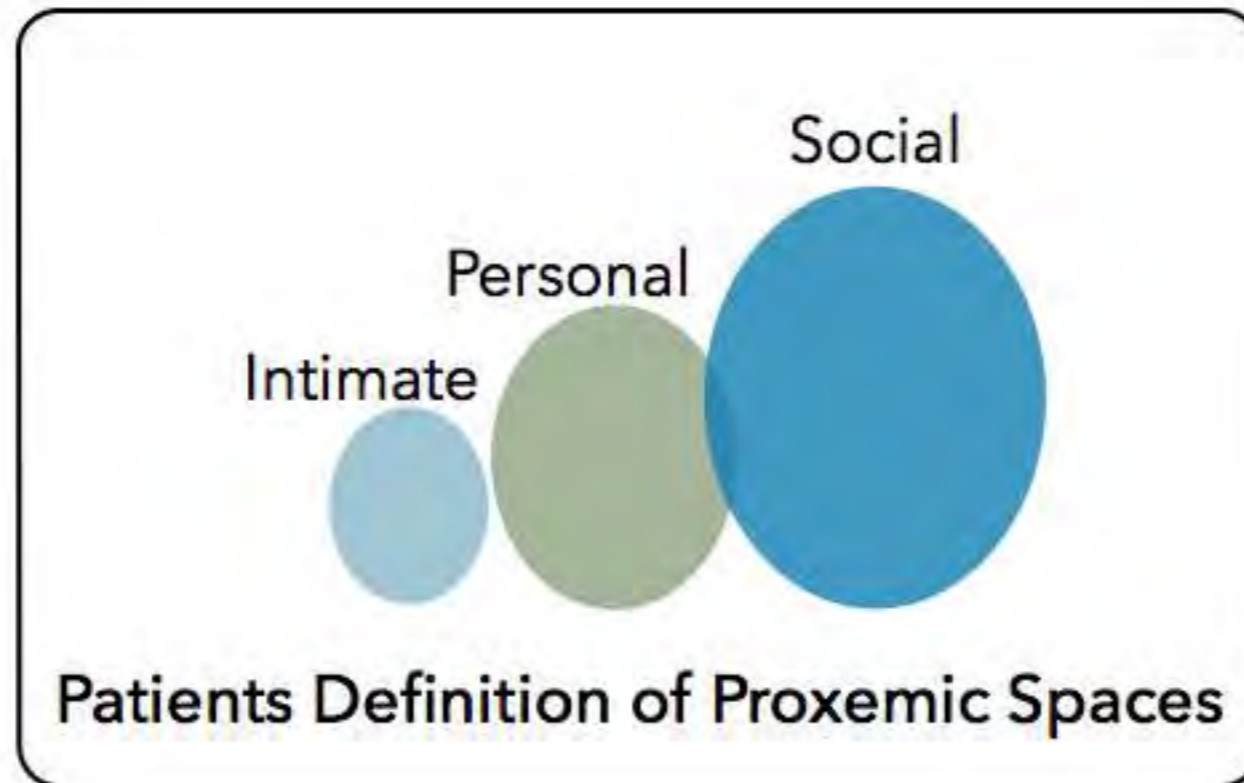


values lists



concept maps

findings



Intimate Space

Within Reach
self sufficiency

Lighting
control

Security and Comfort
visual connection
auditory connection

Manageability

Personal Space

Rest

Privacy

Active Rest

visual

auditory

olfactory

Manageability/ Comprehension

findings

Social Space

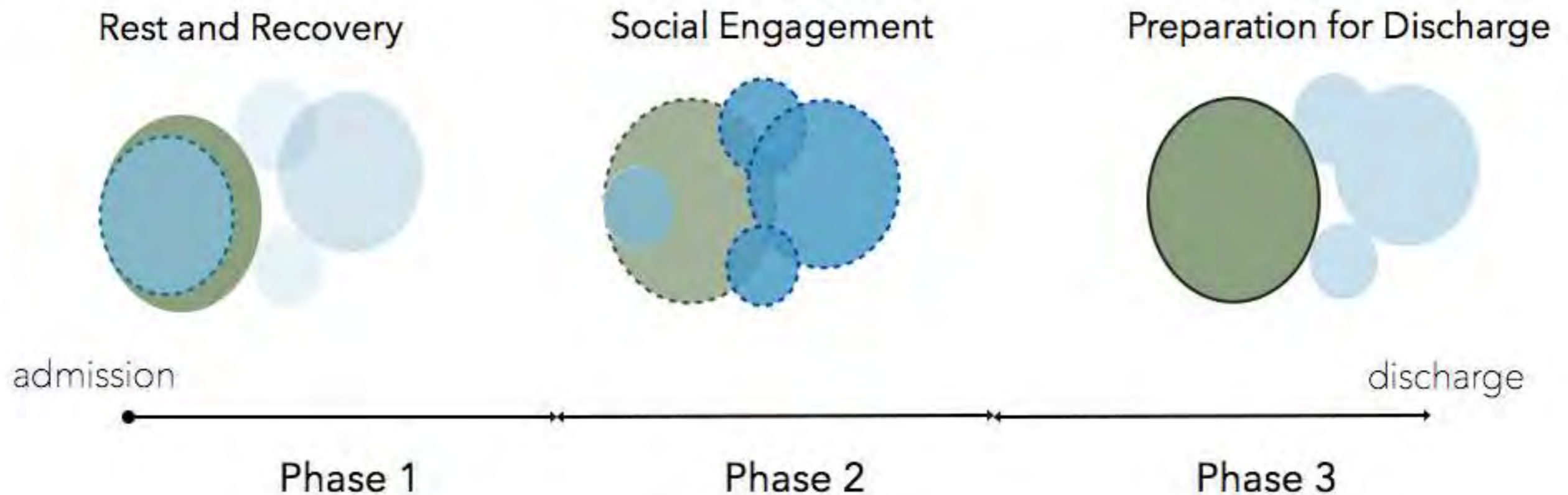
Spatial Diversity
Movement

Bonding/ Intimacy

Comprehension/ Meaning

Looking Deeper into the Narratives

Design that Responds to Progression

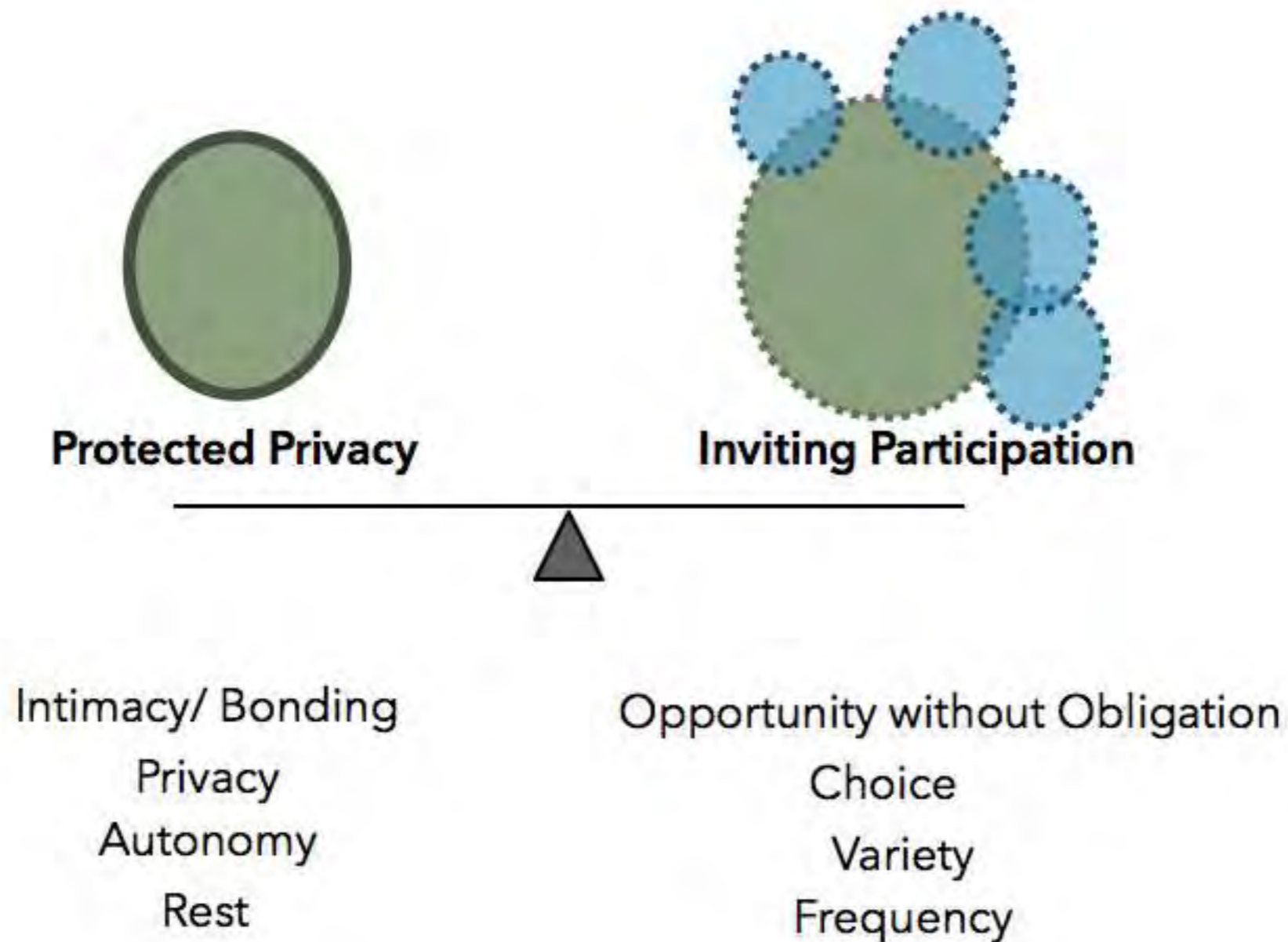


intimate private social

Research was conducted in collaboration with Reade, General Rehabilitation and Rheumatology in Amsterdam, the Netherlands

Reade
revaliatio | reumatologie

Designs that Balances Privacy and Social Needs



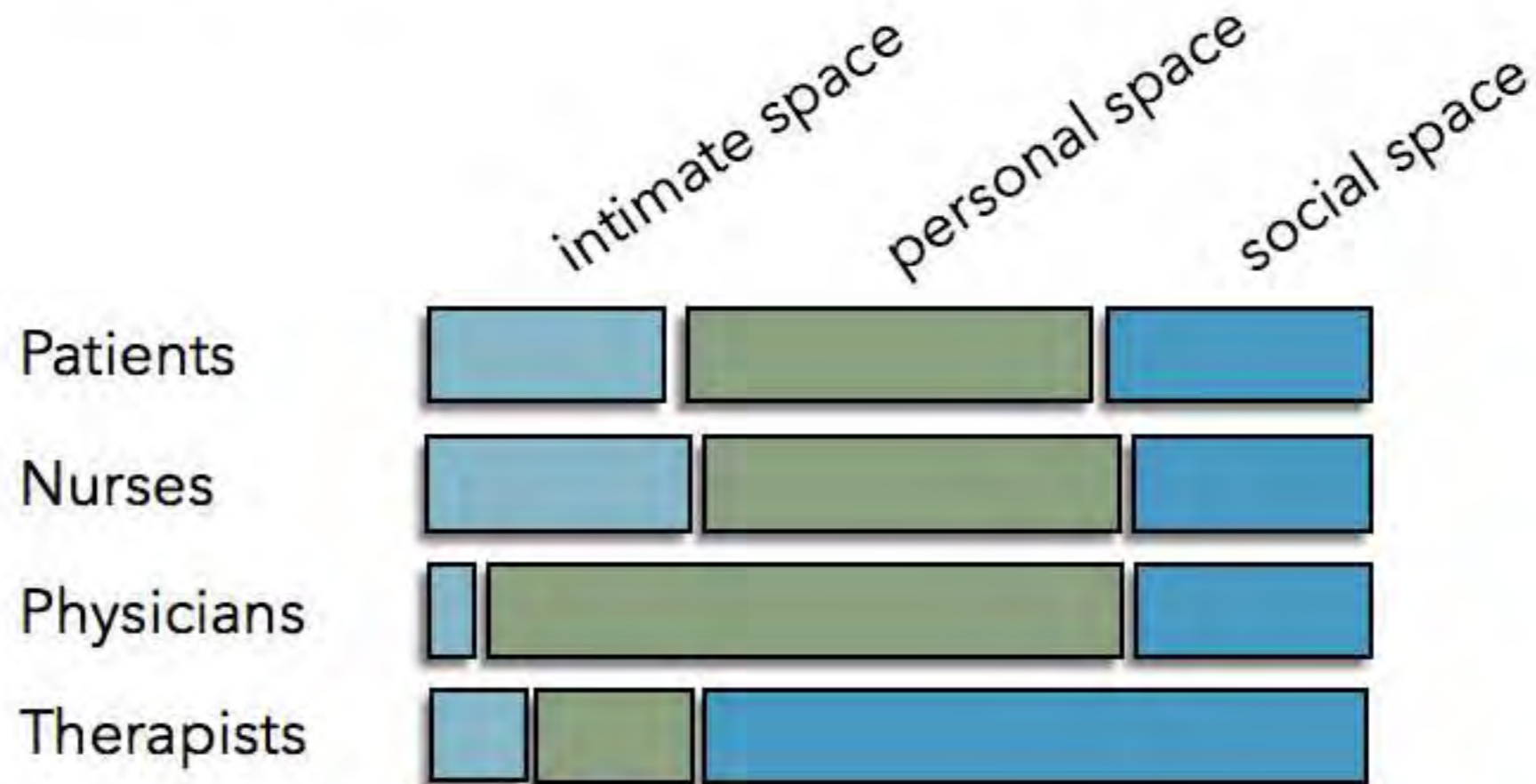
intimate private social

Research was conducted in collaboration with Reade, Center for Rehabilitation and Assistive Technologies at the University of Toronto

Reade
enabling communities

Exploring Other User Perspectives

adding more perspectives



Emphasis of Proxemic Space by Participant Group

**We shape our buildings.
Then our buildings shape us.**

-Winston Churchill

in conclusion

Power of Participation

empowerment

capacity

importance of built environment in care

responsive innovation



Inspiration is earned.

Create opportunities to earn it,
and have a plan to capture it.

-cameron moll