

Home settings and post stroke - development of a methodology of investigation

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State of art

- ✓ Care chain from hospital to patients' home
- ✓ Early support discharge can contribute to patients health and well-being
- ✓ Evidence-based architecture in the field of rehabilitation is lacking what about the physical environment?



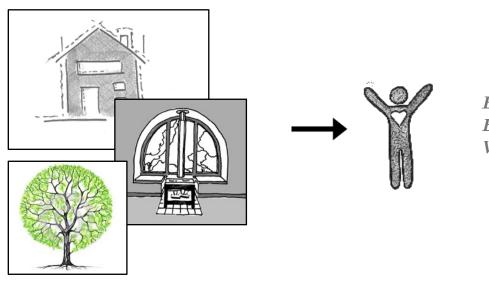
Aim

Increase knowledge about the interaction between the **physical environment** of **home settings** and stroke survivors **experience** of it

How?

Through the development of a transdisciplinary methodology that acknowledge the centrality of the individual with stroke

Why is this important?



Experiences Behavior Well-being



Systematic review



Post stroke

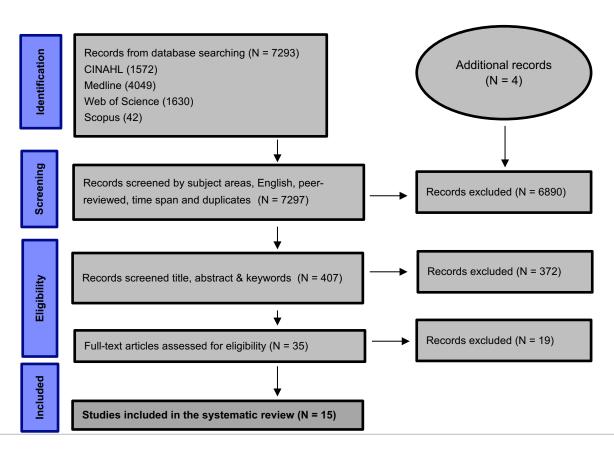
✓ Individuals after stroke episode(s)

Home

✓ Setting of investigation

Physical environment

- ✓ Architectural, interior design and ambient features (Harris, 2002)
- ✓ Facilitators and barriers (ICF) (WHO, 2015)





Systematic review results

Articles (N=15)

Physical environment dimension(s):

- ✓ All 3 dimensions of the environment (N = 4) (25%)
- ✓ Architectural & interior design features (N = 11) (65%)

Physical environment – post stroke focus

- ✓ Activity and Mobility (N = 15)
- ✓ Psychological/emotional experience of place (N = 1)
- ✓ Time issue (missing)



Transdisciplinary approach

Architecture – focus on the built environment

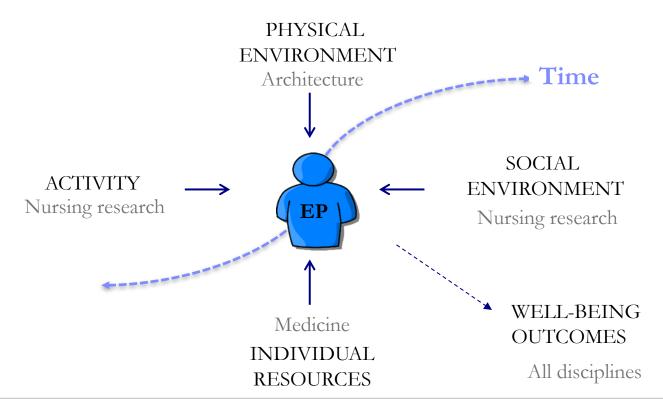
Nursing research – focus on the individual rehabilitation processes

Medicine – focus on the individual medical condition & rehabilitation

Environmental psychology (EP) – focus on the interplay between people and the environment and investigates the underlying psychosocial processes that intercede between each human-environment interaction.



Merging together the different disciplines





Methodology

Mix method

Multi-perspective

Interview & observation Patients, nurses, family



Physical environment

Social environment

Activity

Individual resources

Well-being outcomes

Perceived quality of

Home & neighborhood (facilitators vs barriers)

Social support (family and social services)

Daily life activity link to the environment

Medical condition (mild stroke) background info

Rehabilitation and health



Place attachment Self-efficacy



1 and 6 months after stroke



Behavioral mapping





How far have we got?

Testing the methodology

- ✓ 1st month after stroke data collection
- ✓ Sample = People with mild stroke conditions (N = 15)
- ✓ Setting = home (Malmö, Sweden)

Next step

- ▶ 6 months after stroke data collection
- > Same sample
- Data coding and analysis
- Discussion of results (facilitators vs barriers)



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