

Supportive Environments for Active and Healthy Ageing

Susanne Iwarsson

Professor, PhD, DHC

Centre for Ageing and Supportive Environments

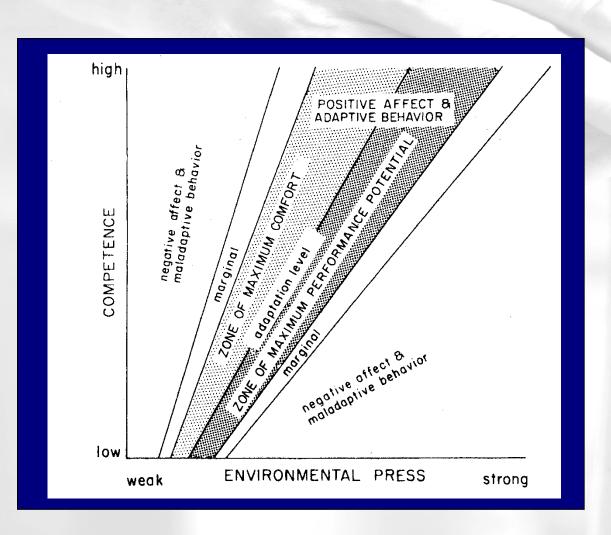
& Dept. of Health Sciences

Lund University, Sweden



Person-Environment Fit





Lawton's Ecological Theory of Ageing

(Lawton & Nahemow, 1973)



Activity Arenas



Environmental dimensions:

- Physical Home and local community neighbourhoods
- Social
 Closest family, relatives, neighbours, friends, carers, and yet others
- Cultural Ethnicity, religion, life-style



My Focus Today: Housing







Existing Evidence Base



- Dominance of North American studies (until 2000)
- Increasing interest in Europe and Australia
- Very few from other continents
- Paucity of knowledge on underlying processes
- Insufficient evidence on outcomes of interventions
- Few research studies on housing and caregiving



Much to consider...





- Housing adapations
- Relocation
- Housing options
- Home care and social services
- Social activities & places to meet
- Mobility devices
- Public transport
 - Local neighborhood characteristics and facilities

Housing Accessibility Problems



- Functional limitations X environmental barriers generate the problems
- Use of a rollator and balance problems contribute the most to accessibility problems
- Lack of handrails at entrances are related to mortality
- Ageing with Parkinson's, environmental barriers at entrances and outdoors generate more problems than for people in general (Iwarsson et al.)

Why Do Older People Move?





- "Younger old" move to something - "older old" move from something
- Objective and perceived aspects of housing
- Are different housing aspects driving relocation to different forms of housing?

1. What aspects of housing and health are related to relocation to special housing (in very old age)?

	HR	p-value	95% CI
Sex ¹	1.58	(0.245)	0.73-3.40
Age	1.06	(0.281)	0.95-1.18
Cooking (I-ADL) ²	2.86	(0.002)	1.48-5.54
Cognitive deficit ³	0.18	(0.006)	0.05-0.60
Accessibility ⁴	1.27	(0.036)	1.02-1.58

¹Men (0) women (1). ² Independent (0) dependent (1). ³Proportion of correctly performed MMSE tasks, 0-100%. ⁴ Min-max: 0-670, higher scores indicate more accessibility problems.





2. What aspects of housing and health are related to relocation to ordinary housing (in very old age)?

	HR	p-value	95% CI
Sex ¹	2.81	(0.067)	0.93-8.47
Age	1.10	(0.216)	0.95-1.27
Cleaning (I-ADL) ²	2.52	(0.041)	1.04-6.12
Perceived functional	1.53	(0.008)	1.12-2.10
independence ³	,		
Type of dwelling ⁴	7.07	(<0.001)	3.03-16.51

¹Men (0) women (1). ² Independent (0) dependent (1). ³Totally dependent (0) to totally independent (10). ⁴Multi-dwelling (0) one-family house (1).





Qualitative Findings



Over time, very old people manage increased frailty by means of three, intertwined processes concerning changes in everyday life:

- The turning-points
- The struggle
- The negotiations

These processes

- take place through the context of "the homelike functional home"
- a state of mind labeled "the awareness of frailty"

Family, relatives and neighbors are important as support – and do influence decisions



Assistive Devices



In Sweden, 70% of all assistive devices are provided to people aged 65+

Among those aged 85+, 77% use assistive devices

Assistive devices for personal care and mobility are the most common





Mobility devices – Intertwined with daily activity





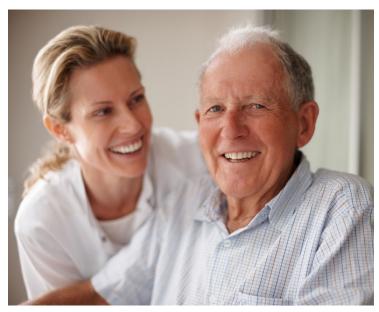


Impact on activity & participation
Changes over time
Combinations of devices
Adaptation of physical environment
Adaptation of task performance





Housing Issues and Caregivers

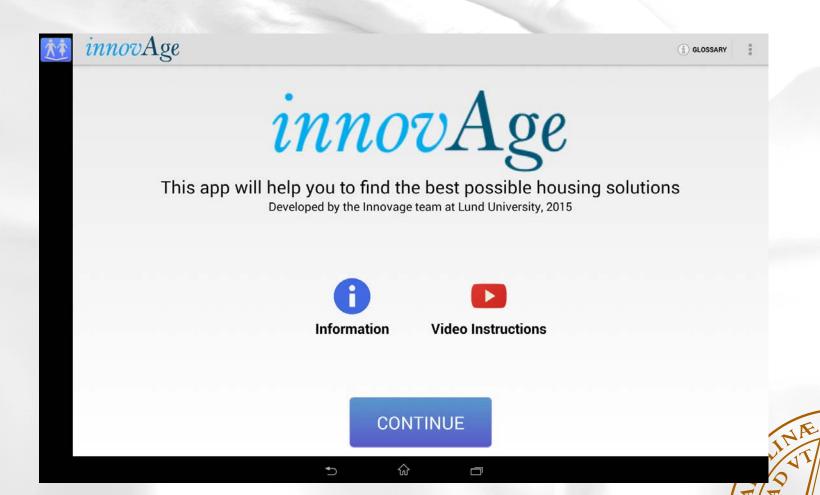


The REACH Project : (Gitlin et al.)

- Family caregivers to people ageing with Alzheimer's
- Multi-center study
- Behavioural interventions
- Problem-solving techniques
- Home modifications & assistive devices
- Positive effects on QoL
- Less depression





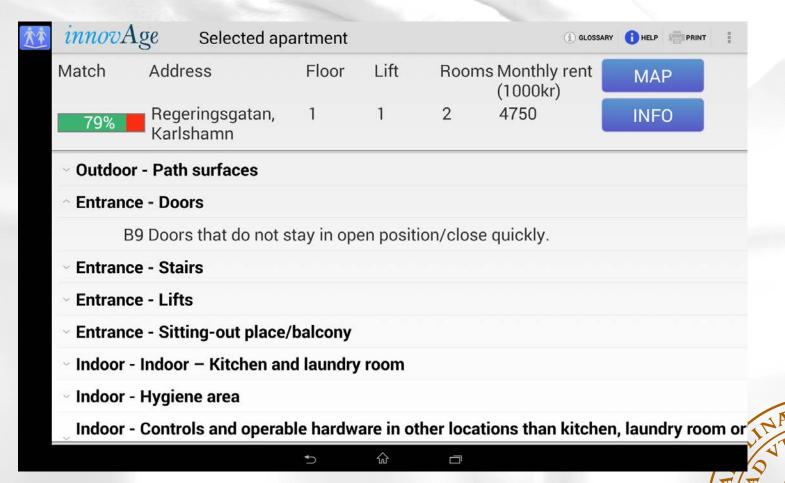


Apartments Ranked According to Accessibility



innovA	${ m g}e$ List of apartn	nents			(i) GLOSSARY	1 HELP PRIN	т
Match	Address	Floor	Lift	Rooms	Monthly rent (1000kr)	MAP	11
Accessibility	Karlshamn		YES	>=2	*-*		
79%	Regeringsgatan	1	1	2	4750		
79%	Lupinvägen	0	1	2	5225		
77%	Skyttevägen	3	1	3	7362		
76%	Prinsgatan	2	1	2	5462		
76%	Prinsgatan	1	1	3	6175		
76%	Stationsvägen	3	1	4	6650		
72%	Matrosgatan	4	1	2	4987		
72%	Stålavägen	0	1	5	9262		
70%	Iglavägen	0	1	2	4987		
67%	Sölvesborgsvägen	4	1	3	5225		
57%	Regeringsgatan	1	1	3	6887		

Detailed Environmental Barrier Information



Summary





- Housing issues are important as we age
- Housing adaptations, relocation counselling and provision of mobility devices support active and healthy ageing
- Insufficient knowledge about caregivers



susanne.iwarsson@med.lu.se

http://www.med.lu.se/case



Horizons for Comparative and Integrative Research on Ageing and Health

Stockholm, Sweden, Oct 7-8, 2015 Post Conference Workshop for PhD Students, Oct 9 2015

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