



**The nursing home of the future in The Netherlands**

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# Ageing in NL: policies and demographics

2.9 million 65+ (17.3 % of population): 720.000 aged 80+

1 out of 5: retired

## Ageing-in-place as the ideal

### Nursing homes needed, also in the future

- Residential care homes phased-out. What to do with existing real estate?
- New nursing home admissions: higher thresholds. 90,000 people having specialised care

### Three 'living' arrangements for older people

1. High-end rehabilitation: 'return home sooner'
2. Intensive nursing home care: 'like home'
3. Community care: 'continue living at home'

Thinking about new ways to design aged-care facilities. Working together on creating new communities. Reinventing existing real estate



The nursing home of the future is about working together,  
being heard, being acknowledged, being autonomous. Just  
like home!

Nursing home residents are among  
the least-voiced in our society



# Interaction with seniors in Living Labs





# Exercising with robots



**Gaming: people are in it, to win it!**



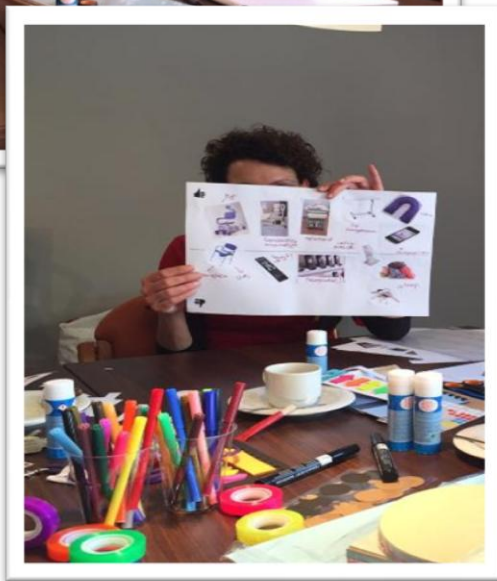
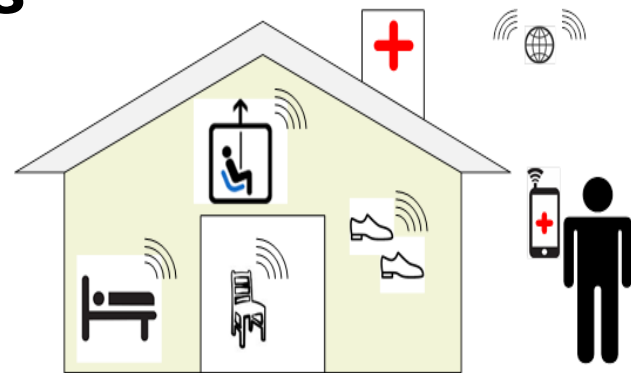
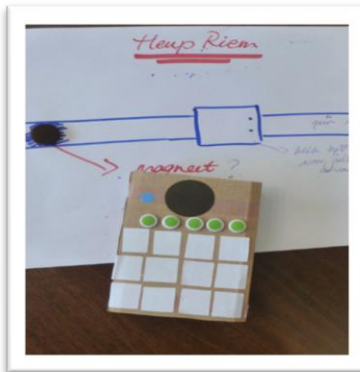
# Online shopping together with Ahold







# Living labs also allow us to design with care professionals



# Research: People don't ask for housing or technology, but for a sense of home!

Duyvendak (2009): 'haven' & 'heaven'

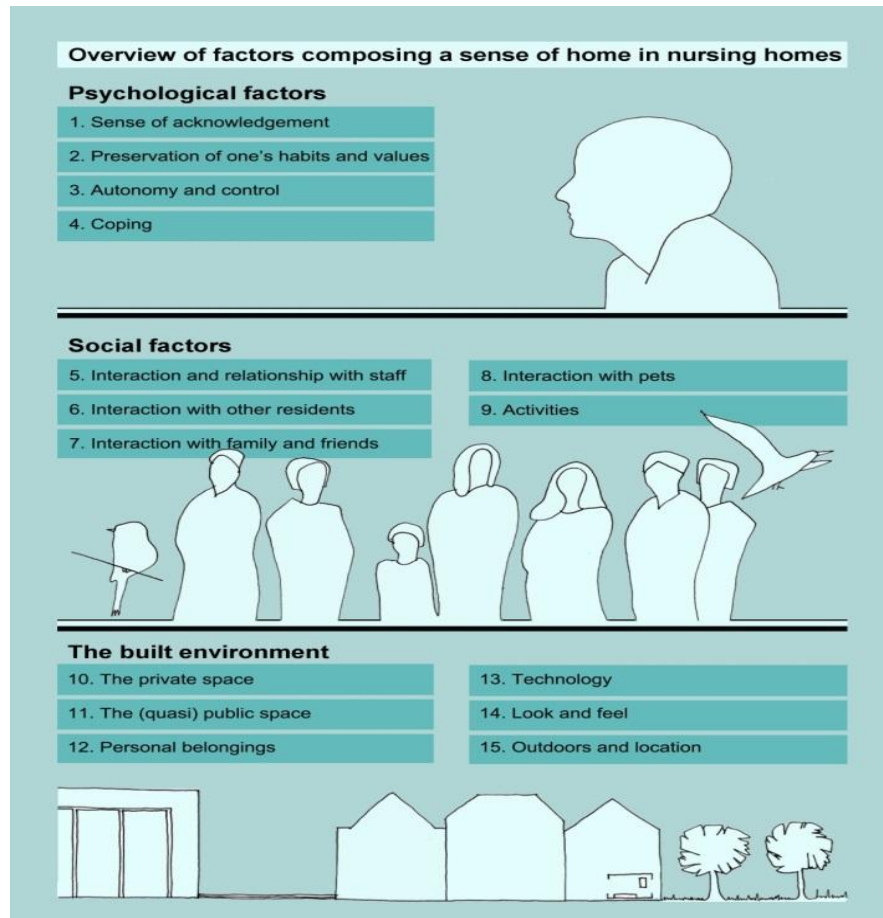
Van Steenwinkel et al. (2012):



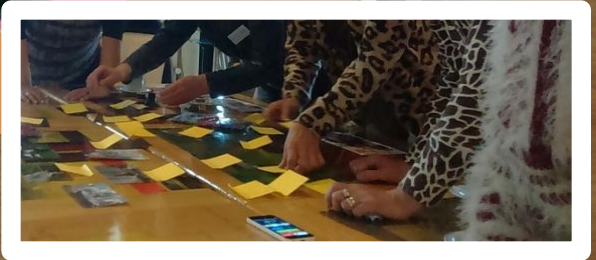
- The built environment is known to impact the quality of life and the sense of home of nursing home residents.
- Multifactorial phenomenon, which can be studied from many perspectives.
- In practice, aspects of one's sense of home are sacrificed for the sake of functionality

van Dijck-Heinen et al. (2014) The environmental design of residential care facilities: A sense of home through the eyes of nursing home residents. *Int J Inn Res Science Technol* 1(4): 57-69

# Structured review of the sense of home



Rijnaard, van Hoof, et al. (2016) The factors influencing the sense of home in nursing homes: a systematic review from the perspective of residents. Journal of Aging Research 2016;Article ID 6143645 Free download



organization and facilitation of care - to matter

building and interior design - autonomy and control - involvement of relatives  
 quality of care - eating and drinking - engagement with others and activities



residents



relatives

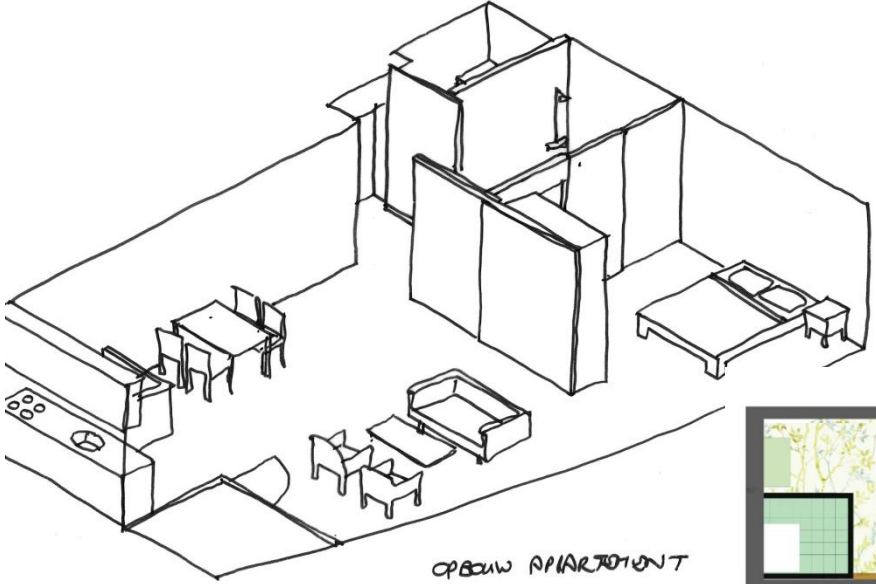


care professionals

connection with nature and outdoors - coping

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# Test living, research, design: sense of home apartment



Look and feel

# Test living, research, design: sense of home apartment



- 1. The apartment as a place for *education*
- 2. The apartment as a place for *testing and development*
- 3. The apartment as a *source of inspiration*



Eijkelenboom, Verbeek, Felix, van Hoof (2017)  
Frontiers of Architectural Research 6(2)  
doi: 10.1016/j.foar.2017.02.004 (open access)





# At home... everywhere

FONTYS EGT



谢谢



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