



Connecting homes *Enhancing longer living in smarter places*

Ordinary Homes | Ordinary Places

Smartening-up your home. New Technologies for Independent Living



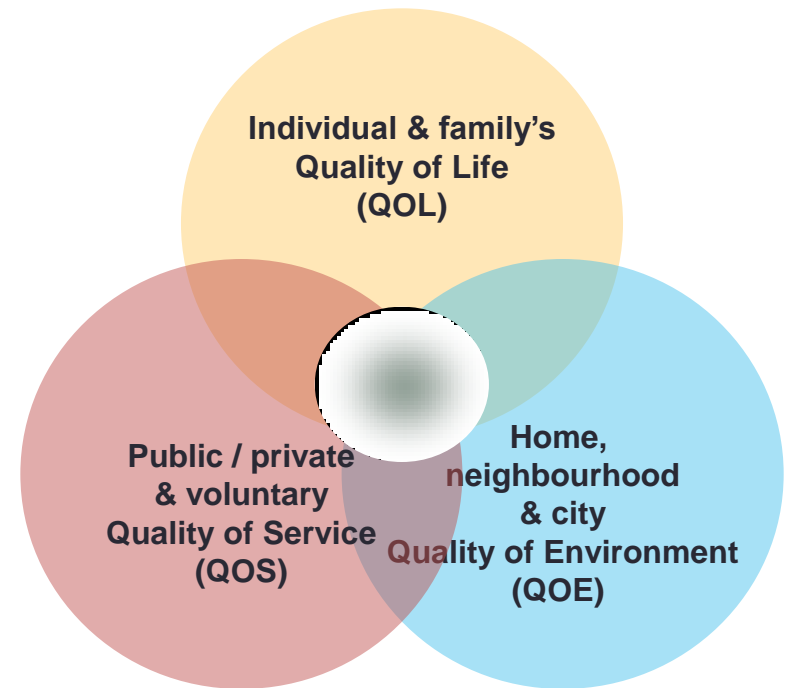
DKIT  NetwellCASALA

Who we are

A living lab for age-friendly innovation

NetwellCASALA collaborate with governmental agencies, academic institutes and industry to:

- develop new ideas that enhance the quality of life and well-being of older people and those who care for them
- Through more integrated community-oriented services, more sustainable home and neighbourhood design, and more affective and age-friendly technologies.



Housing Innovations

Great Northern Haven

Community Model for Smart, Age Friendly Housing

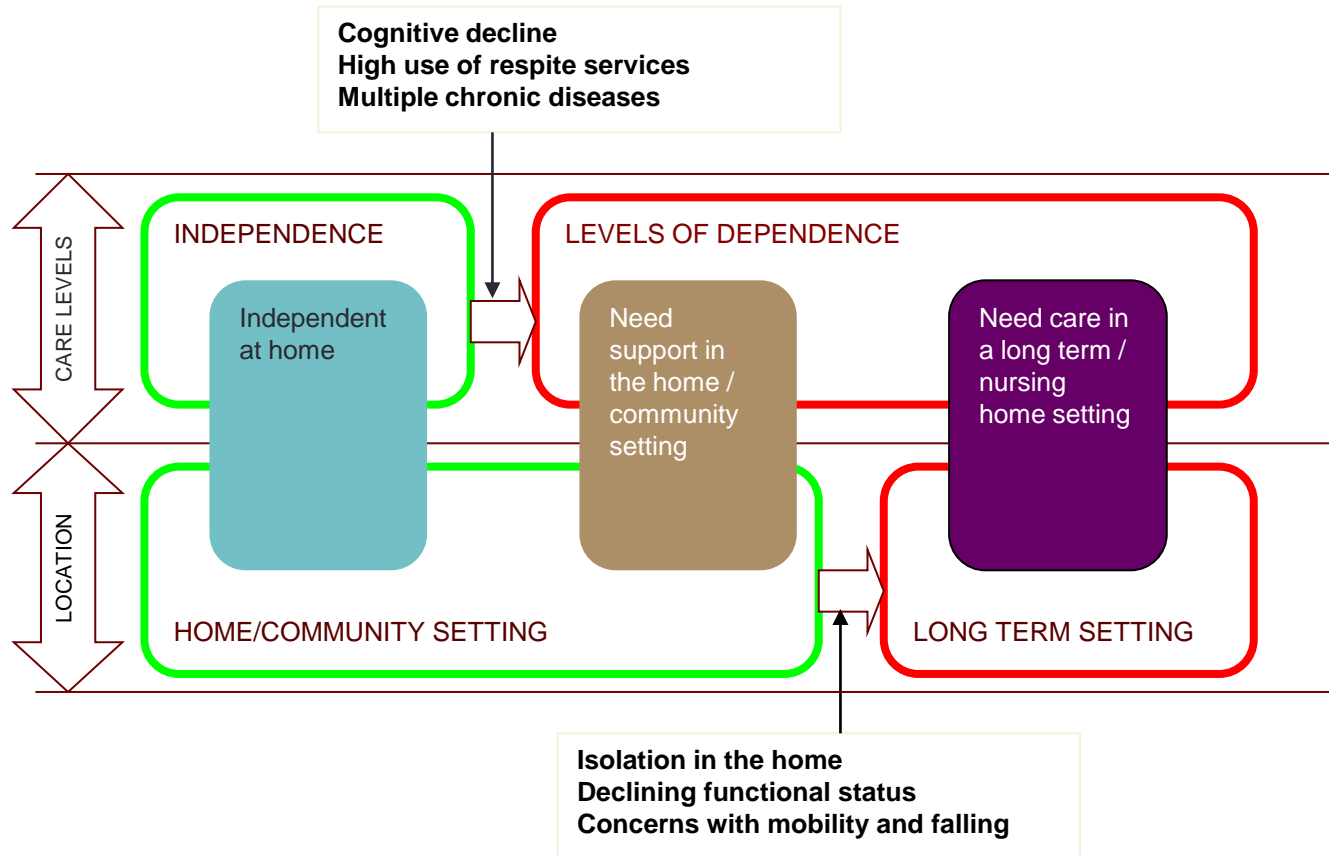
Cúltaca - helping people help themselves
Local authority & HSE working together
Ergonomics – lifetime adaptability / UD
Ecology – Sustainable energy footprint
ICT Technology – connecting for wellbeing



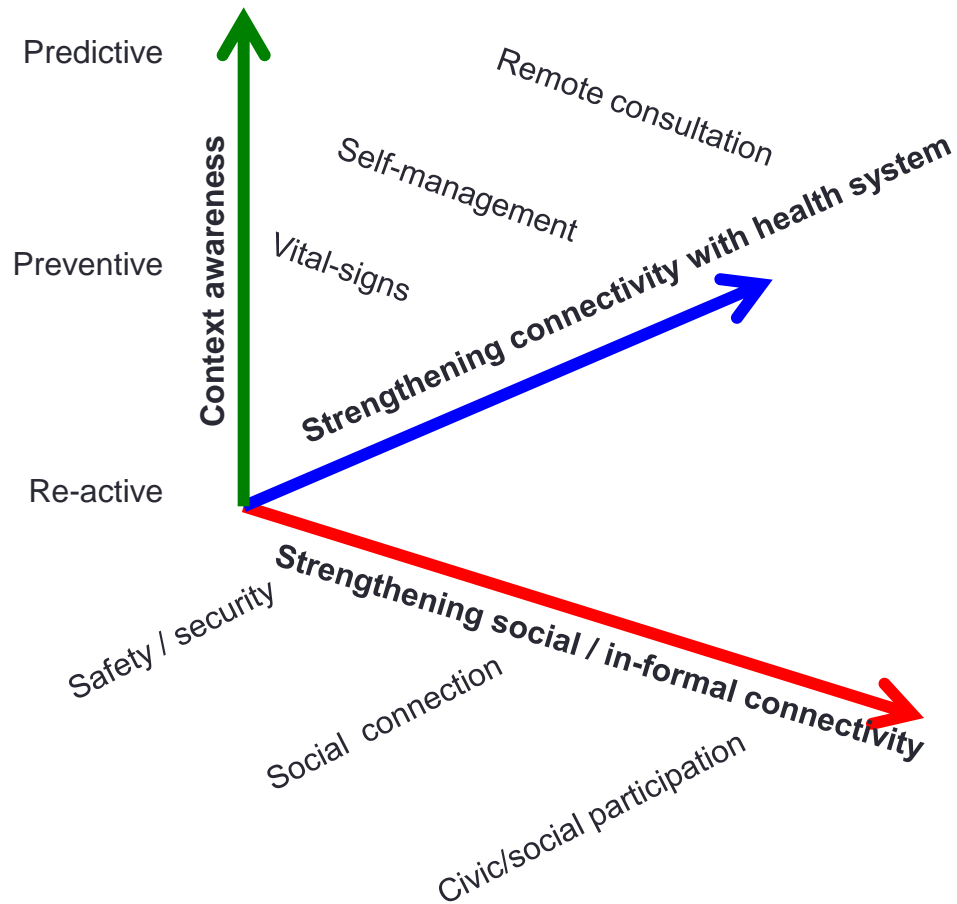
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Shift to the left .

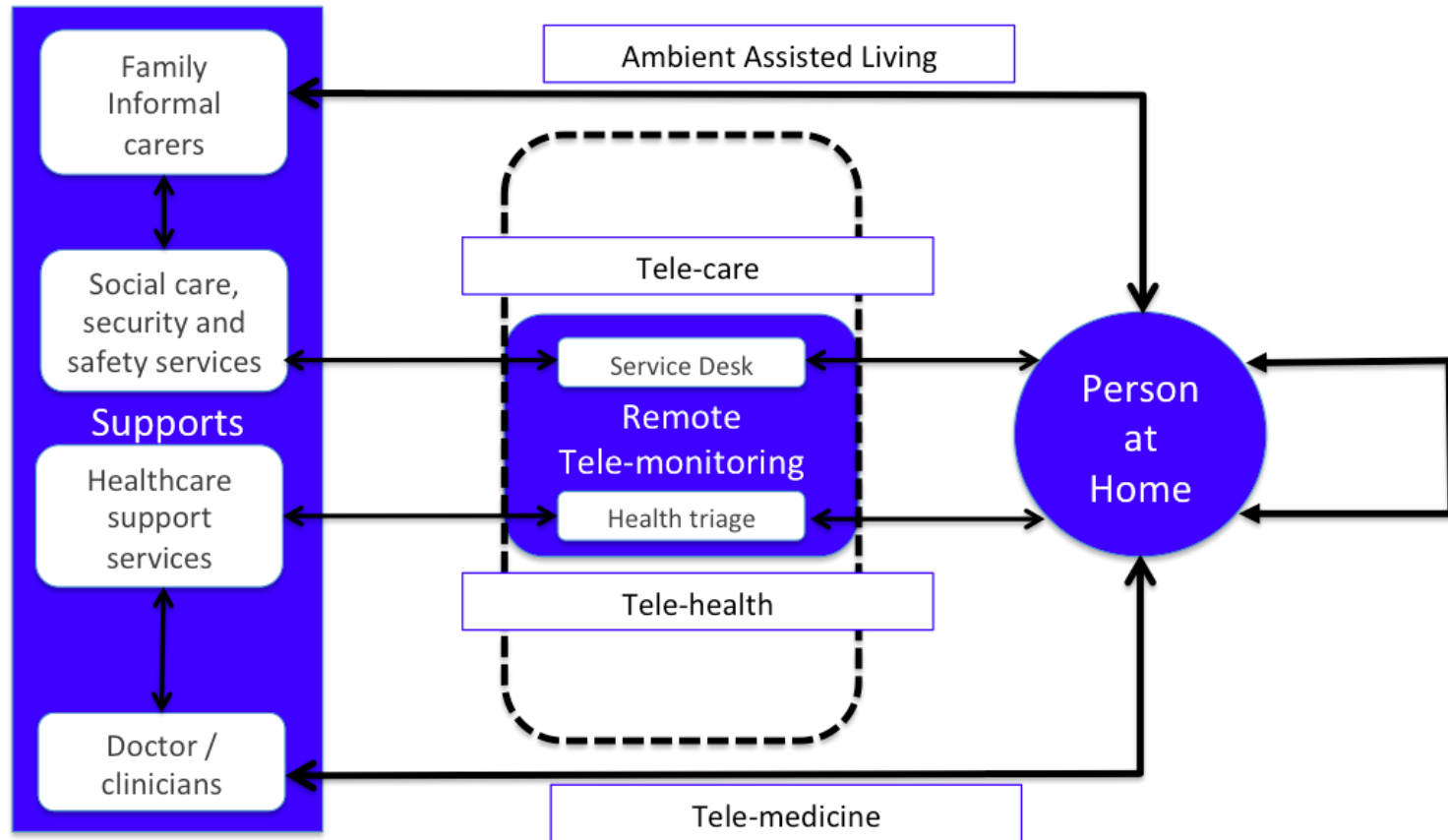
Ageing and places















Dimensions of connectivity



Connecting – directly and in-directly



Current measures ... *from vital signs to ..*






























Vital Signs	Arthritis	Heart disease	Cancer	Diabetes	Depression	Dementia
Blood Pressure						
Temp.						
Weight						
Respirat.						
Urine						
%affected	57%	31%	20%	13%	14%	14%

Center for Future Health – New York - 2007



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Emerging measures ... *to signs of vitality !*

Vital Signs	Arthritis	Heart disease	Cancer	Diatetes	Depression	Dementia
Exercise						
Nutrition						
Activity Patterns						
Gait						
Sleep						
%affected	57%	31%	20%	13%	14%	14%

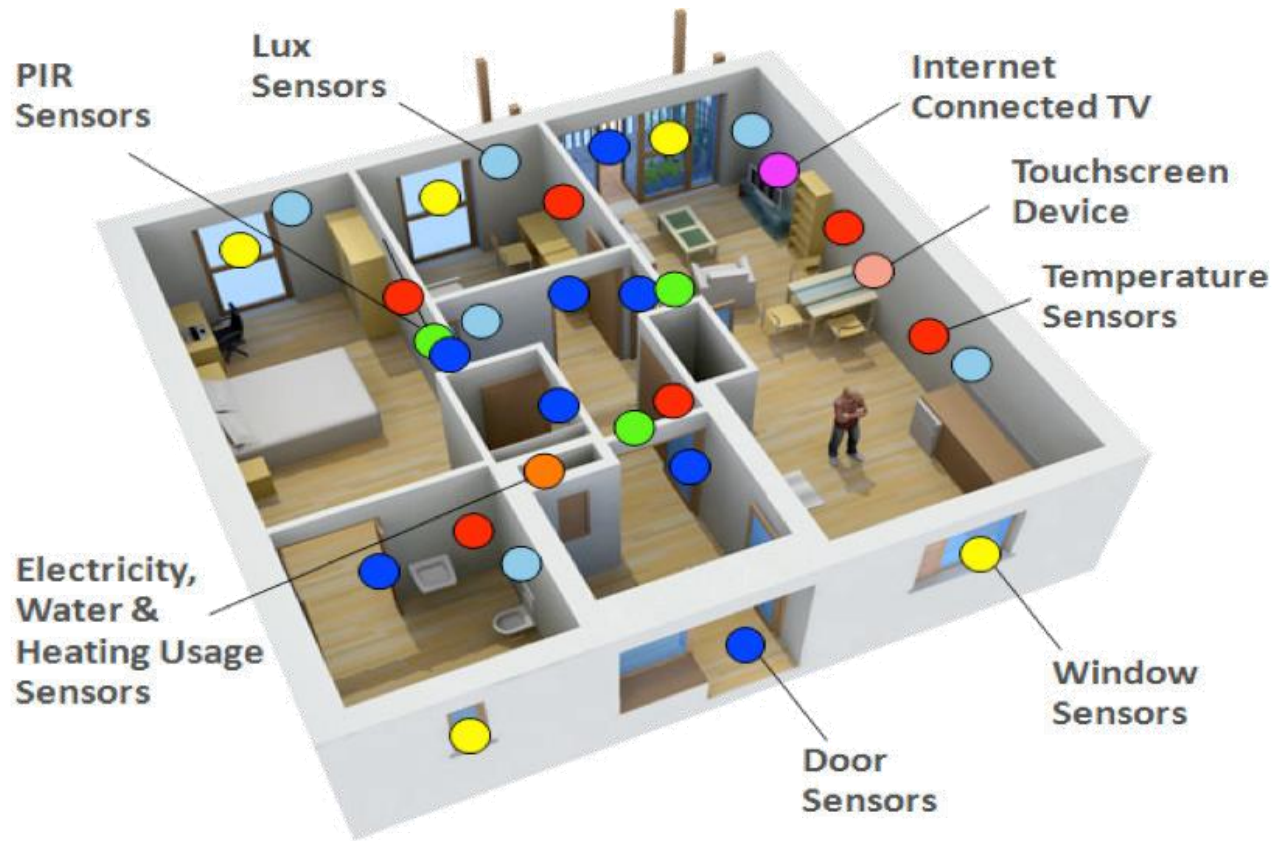
Center for Future Health – New York - 2007



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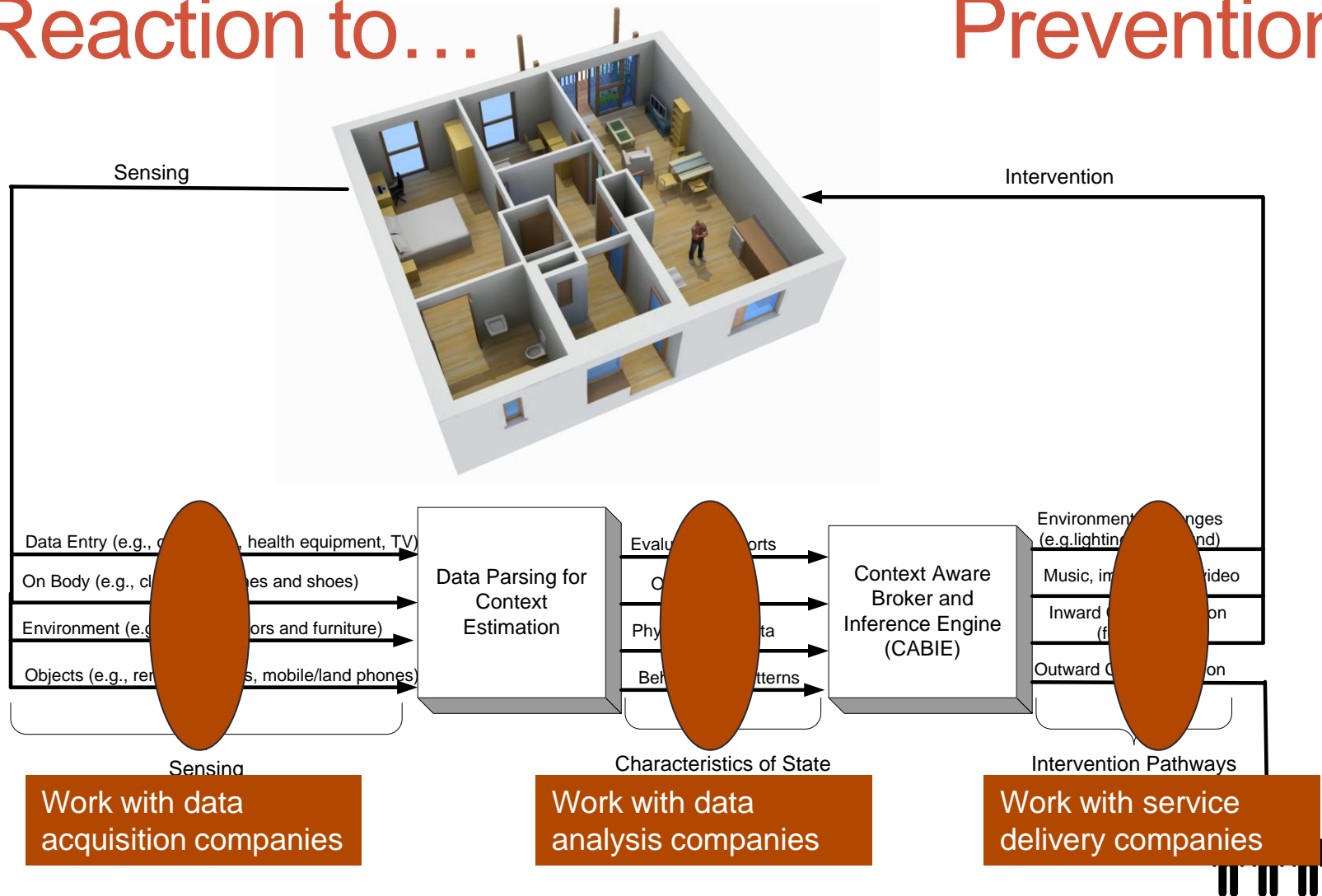
Context Awareness

Sensors and Actuators



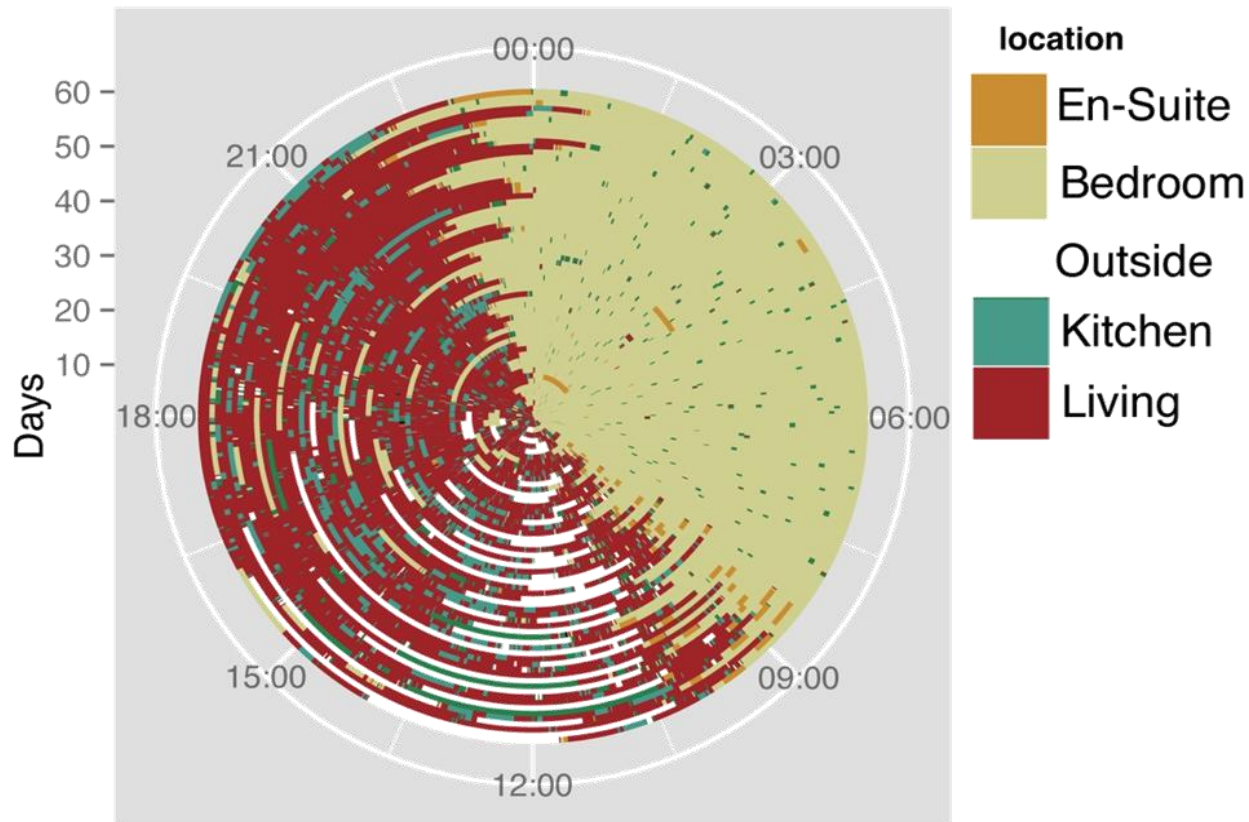
Reaction to...

Prevention



Data Visualisations:

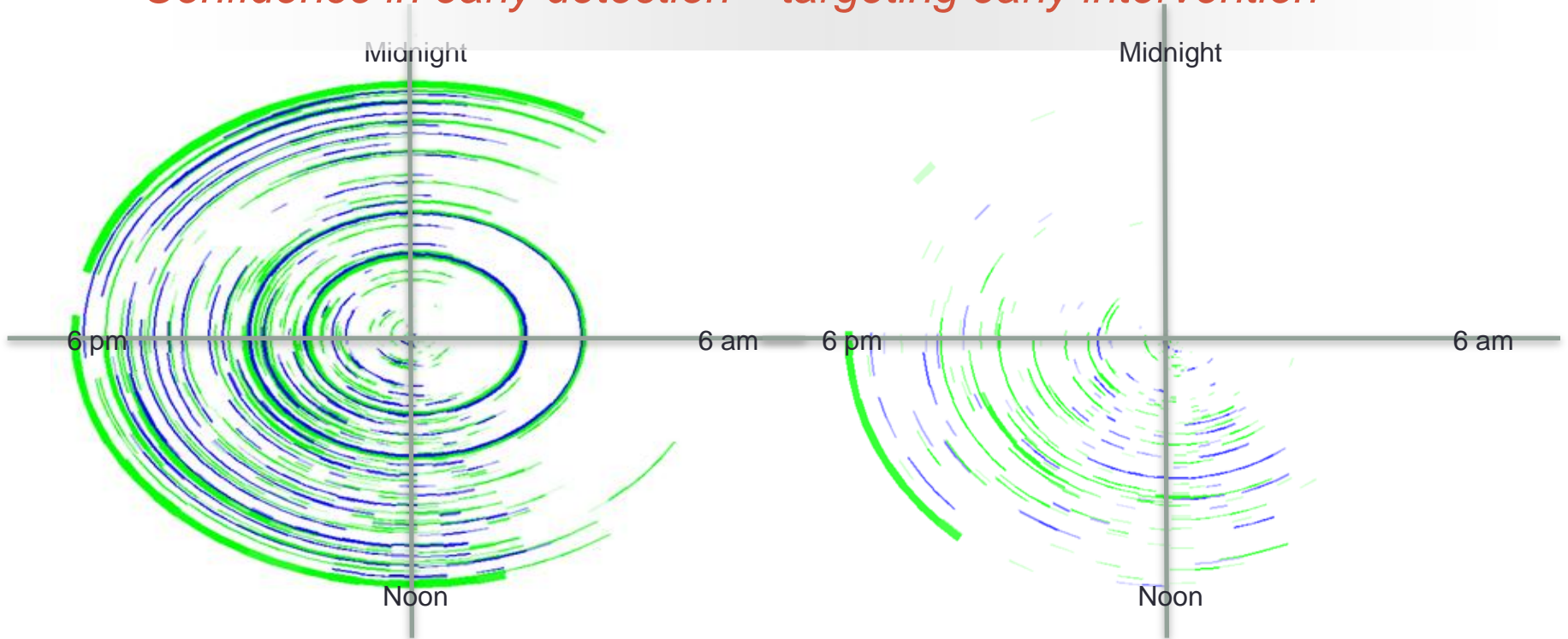
Variations in Daily Routines



Visualisation .

Multi-sensor clock plot

Confidence in early detection – targeting early intervention



Time spent outside the home by a healthy socially active individual

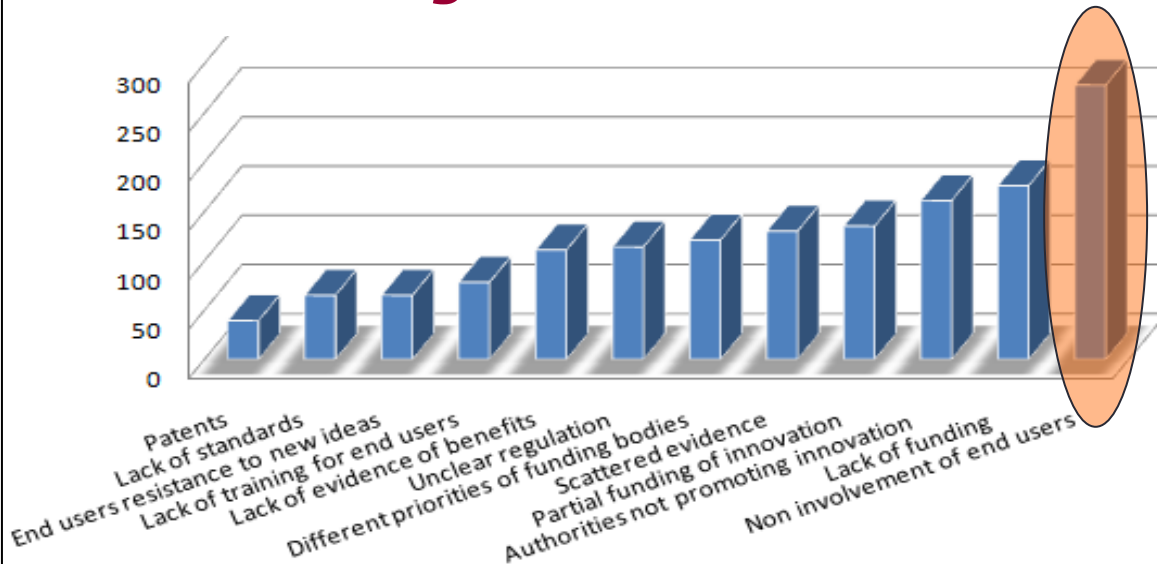
Time outside home by a individual with high depression score



Releasing potential User involvement



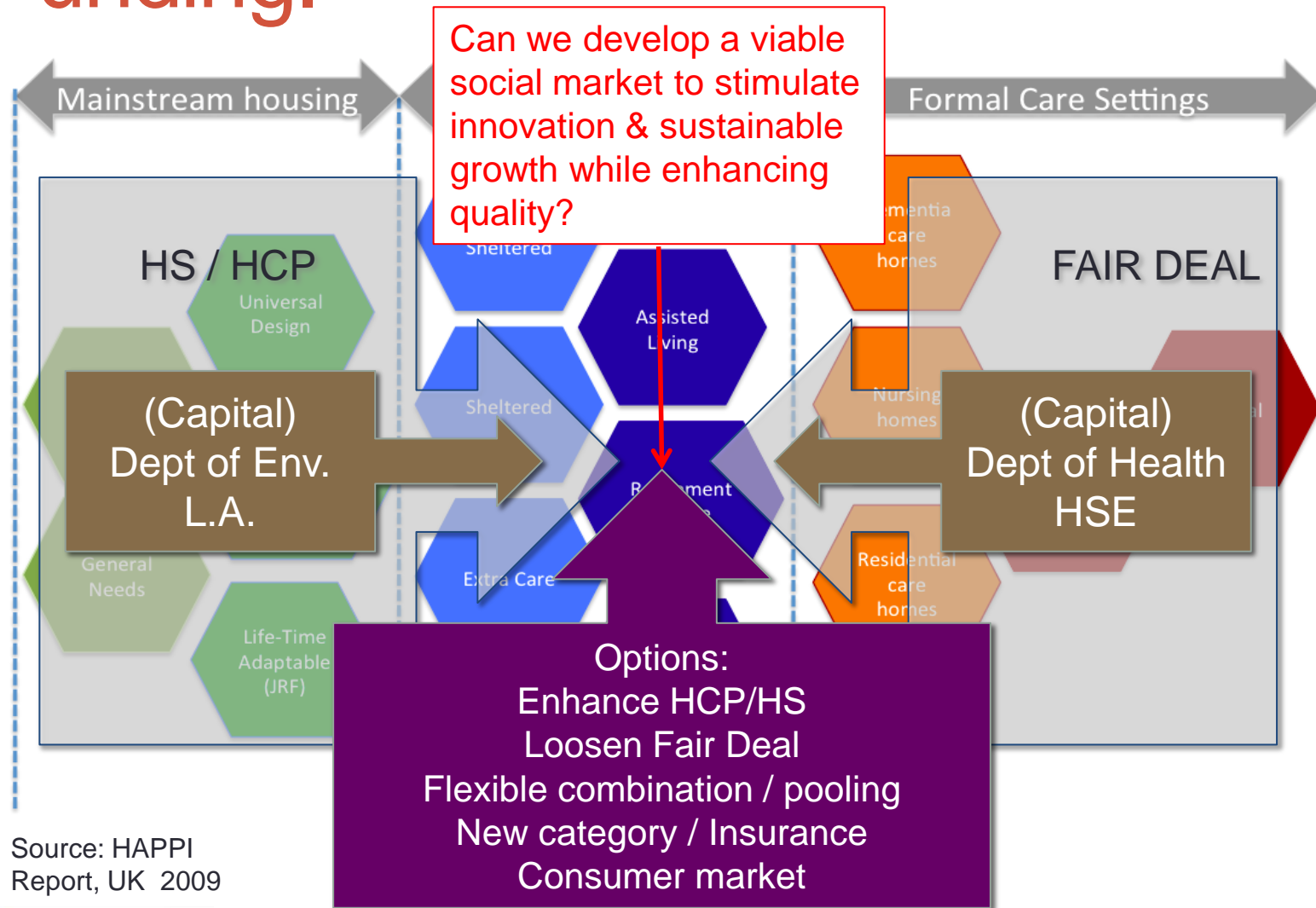
Challenge: To tackle the barriers



- **500 people** replied to the online **Public Consultation on the EIP on AHA** launched by the Commission at the end of 2010/ beginning 2011



Funding.



Thank you



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