



Canadian Academy of Health Sciences
Académie canadienne des sciences de la santé

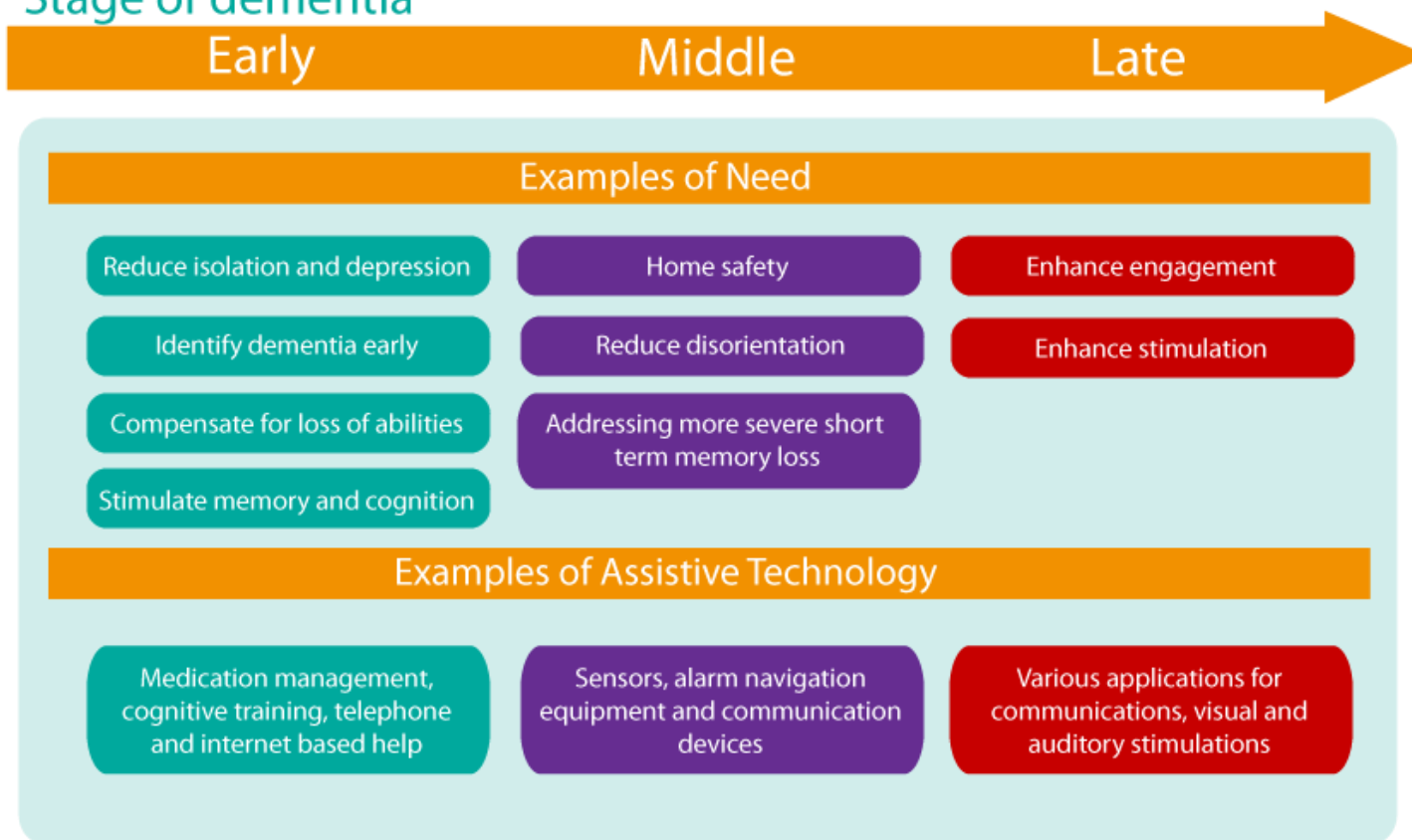
Disruption Ahead

TRANSFORMING TECHNOLOGY TO SUPPORT OLDER
ADULTS WITH DEMENTIA



Using Technology

Stage of dementia



UK Alzheimer's Society (2014)



Changing Demographics, Changing Expectations

Older adults (and their caregivers) are becoming more tech savvy

They have changing expectations on how and where they will receive care and access to services

There are growing expectations on the integration of technologies into their daily lives

Disruption

NEXT EXIT





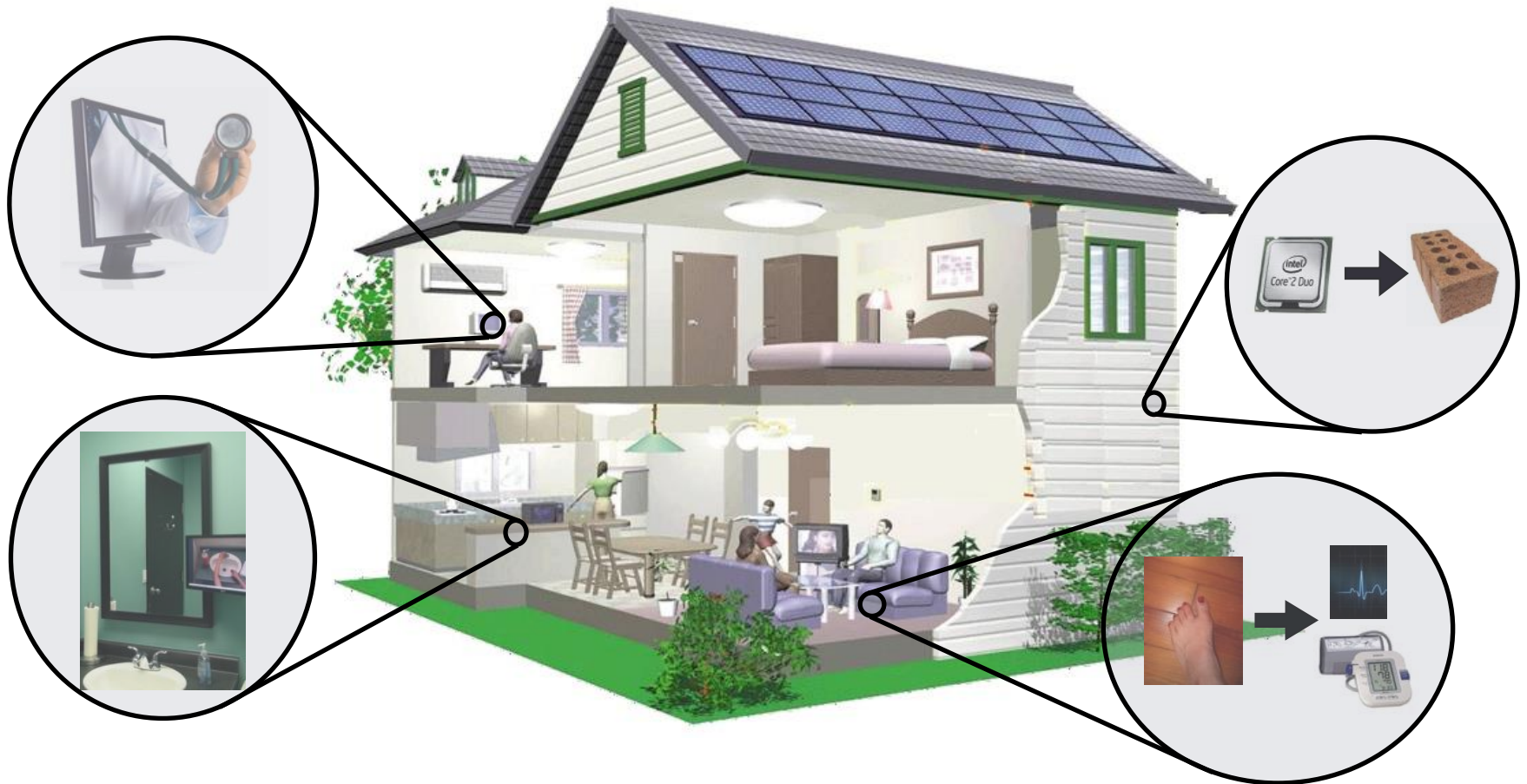
Emerging Areas

New promising areas of research and leading edge technologies are starting to emerge:

- Smart Homes
- Robotics
- Big Data



Smart Homes





Robotics



Caring Robots



Cognitive Robots



Robotics - Driverless Cars



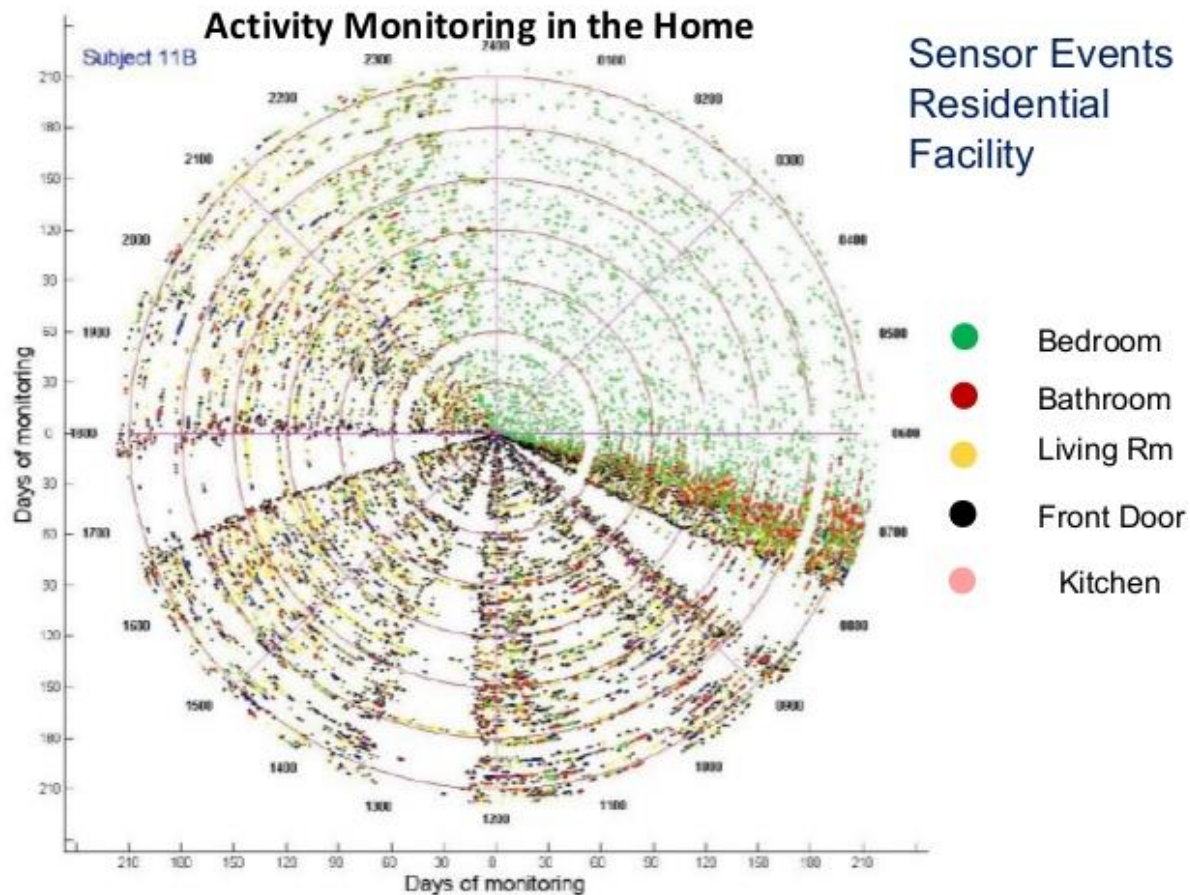
“The self-driving car — a godsend for older Americans — is now on the horizon” – AARP (2015)



Big Data – Big Opportunities?



Big Data – Big Opportunities?





Big Data – Big Opportunities?

3 months

85% accuracy



Canada at the Leading Edge

Recently we have made significant investments in the field to ensure Canada remains competitive

- AGE-WELL
- CCNA
- CC-ABHI



Key Messages

There is significant research in Canada in the field of technology and dementia, with significant resources recently being provided

The needs and expectations of older adults and their caregivers are changing

New potential innovations could have significant impact, however, need to be explored in more depth