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Memory Machine

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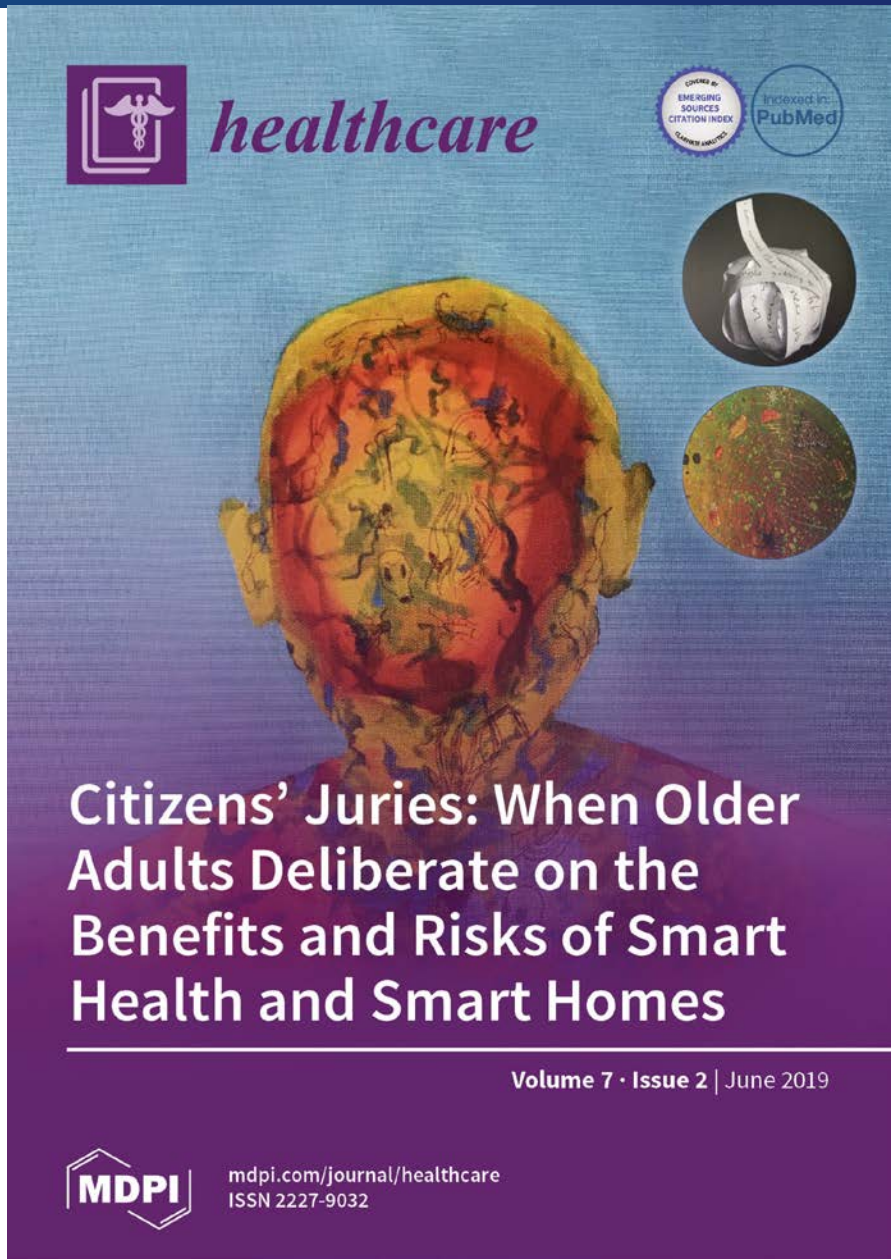
Older people's views Smart Cities

Collaboration with Nottingham City Council

- Smart City Nottingham
- Older people's views on how this may influence health & wellbeing

Krista Blair, Helen Creswick, Elvira Pérez Vallejos et al



Citizens' Juries

The method of citizens' juries enabled a debate about pros & cons

- We co-designed a 'persona' to stimulate discussion
- We drew on Habermas' theory of communicative action
- Demand to be involved in co-design

Personal, life-world	Strategic, systems-world
Control, privacy	Mis-trust about purpose of data collection, lack of control
Continuity of care is benefit of information sharing	'Using data against you' e.g. cross-checking between agencies
Monitoring for safety	Surveillance and utility of data, reaching into personal domain (e.g mobile phone)

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horizon
DIGITAL ECONOMY RESEARCH

Participatory design of Memory Machine

Rachel Jacobs, Sarah Martindale, Dimitrios Darzentas, Lachlan Urquhart, Dominic Price, Elvira Perez Vallejos
@HorizonDER

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Who can name these objects?

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What might a Memory Machine do?

- Capture & store memories
- Share with family & friends
- Contribute to local archives or local history project
- Become a legacy

Considering people with dementia

Everyone living with dementia is different

- For many people, long-term memory remains clear
  - Do we appreciate and value these memories?
- For some, mood and personality seem to change
  - Can we strengthen identity?
- Navigation can be a problem
  - Can we stimulate memory of place?

Participatory design

- Our aim was to use participatory workshops to discuss complex issues:
  - Privacy, data security and legacy

- How can we control who we share with?
  - For painful memories, or intimate memories

Storing and categorising digitised memories

How can information be controlled; share with friends, but restrict access of intimate memories to nearest & dearest?

Ideas about how memory machine might work

Memories as travelling down railway track

Memories arranged on branches of a tree

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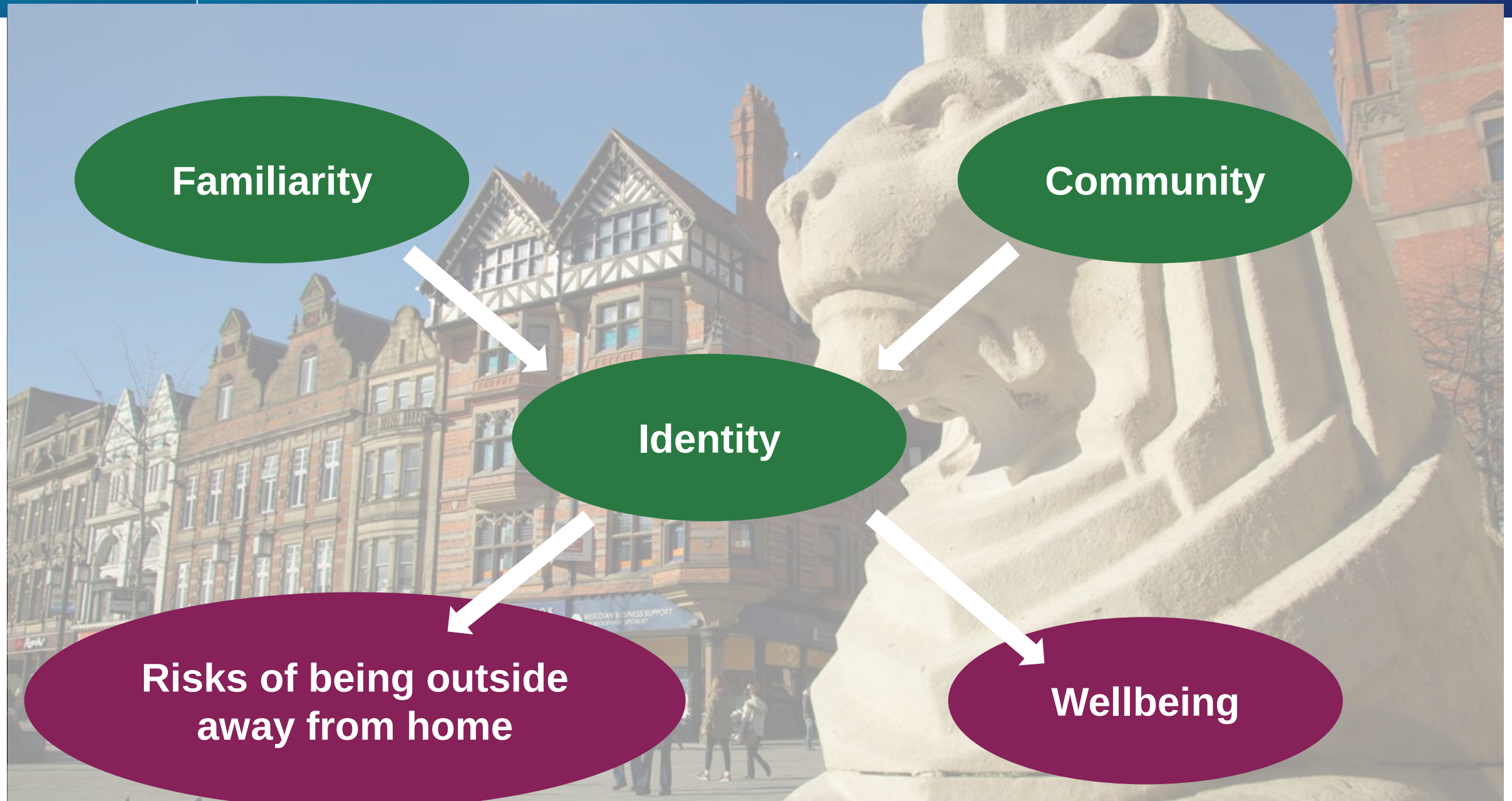
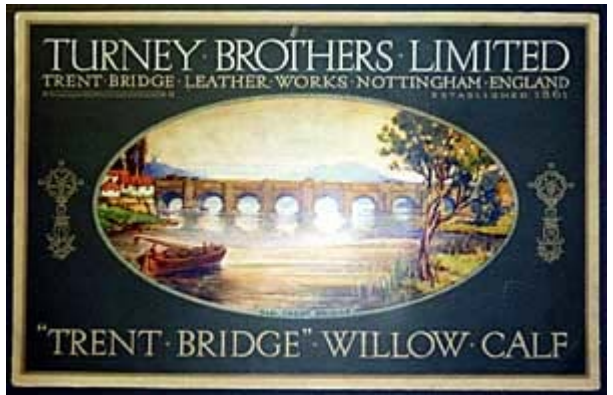
Memories of place



- “When you walk around the city it’s easy to be triggered; by a sudden angle of a building. All of a sudden, my memory floods back, and I pick up a lot more material. I was at Trent Bridge recently and Trent Bridge on one corner had Turney’s Quay – the leatherworks – which smelled terribly.
  Then that led me to think what used to be on the other side of the road which was a horrible mixture of bars and shops.”

- “I can always remember the place that was very popular – what do you call it [forgets the name] … tattoo parlours – all the way to the station.”



Pinterest – Alan Fox
https://www.pinterest.co.uk/pin/430164201898373154
http://www.nottsheritagegateway.org.uk/themes/leather.htm

Memories of place give us a sense of familiarity and identity – how can we store these memories and share with friends?

Memories about place

Nottingham lacemaking

Could we make recording points, to record memories of a community?

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Summary

- Older citizens' juries about 'Smart Health':
  - Expressed a nuanced view of the pros & cons of digital & online systems
  - Demanded to be involved in co-production of digital systems that may influence their health and wellbeing

- Mixed participatory design workshops
  - Debated the complex challenges of storing and sharing memories
  - Discussed how places can prompt evocative memories
  - Recalling and sharing memories could strengthen identity

Thanks for your interest – please tweet questions to @nchadborn