

**Imagine - world class dementia and complex nursing care enabled by digital and AI, in Devon.**

Dr Gill Horne, Programme Director – Care Services

60 bed world class specialist dementia & complex nursing home  
- 6 households of 10 residents with digital and AI enabled care



Lavender  
Square 

But... what, and how do we decide on digital for the new nursing home?

- [Topol Digital Fellowships \(hee.nhs.uk\)](http://hee.nhs.uk)



# The journey so far...



## **Preparation for our future new nursing home**

Visiting best practice – built environment  
Work experience in two care homes



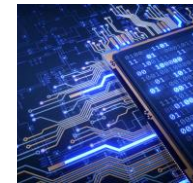
## **Literature reviews**

To inform care model  
For harmonious living



## **Topol Digital Fellowship – digital and AI enabled nursing home**

People with experience of dementia–  
What's important to them?



## **AWS Imagine Grant 2023-2024**

# Methodology

## How we co-designed our digital/AI model.



# Human-centred design for digital/AI



Tested prior assumptions



Series of 4 workshops with people with experience of dementia and MND and care home staff



Questionnaire for staff/people



**How might digital/AI enhance the experience or support residents and staff in the Environment**



**How might digital/AI enhance or support them in their activities?**

# What's important to future residents and carers when choosing what digital or AI to use in the nursing home?

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Safety

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Training

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Cost

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Enough people

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Support to troubleshoot

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Sense of community

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Front door

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New technology – plan for future

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How it may be used, where, when, who, why?

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Easy to use, remote controls

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Promotes choice/personal preferences

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Connecting to families

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Person-centred

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Freedom of movement

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Live care data



How, where, when, who and why will it be used?

Please explain...

**People**

Is it person-centred?	Yes No N/A	Score .../3	Rationale
<ul style="list-style-type: none"> <li>Does it enhance a person's identity?</li> <li>Does it promote personal preferences (e.g., personal playlist)?</li> </ul>		.../3	
Does it provide freedom of movement?	Yes No N/A	.../3	
Does it support hydration and nutrition?	Yes No N/A	.../3	
Would it support autonomy?	Yes No N/A	.../3	
Does it support or enhance privacy?	Yes No N/A	.../3	
Does the solution enhance quality of life? (Based on knowledge of resident/s)	Yes No N/A	.../3	
Does it enhance caring?	Yes No N/A	.../3	
Is it easy to use?	Yes No N/A	.../3	
<ul style="list-style-type: none"> <li>Does it enable only voice or only eye gaze and touch controls?</li> <li>Does it support people who are hard of hearing, impaired</li> </ul>		.../3	

# Digital Decision-making Tool (v6)



- **Person**
- **Operational**
- **Governance**





**Devon Care Homes**  
Collaborative

## Next Steps

- **Will you help refine this tool by testing it?**
- **Toolkit hosted on DCHC website** [Decision-making Tool for Digital Technology | Devon Care Homes Collaborative](#)
- **Opportunity to give your feedback**