

Inclusive Design methods

Case studies of Inclusive Design

Context of methods

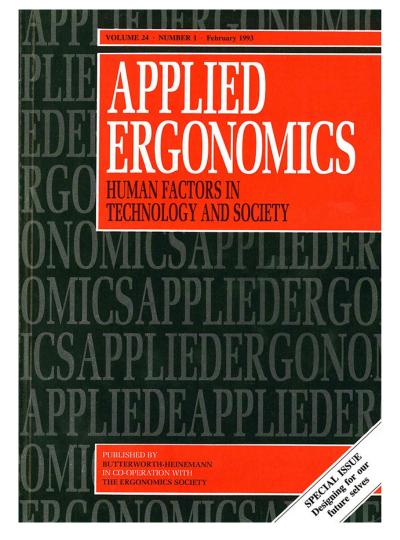
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25-year History





Business Driven



Community Facing



Public Facing

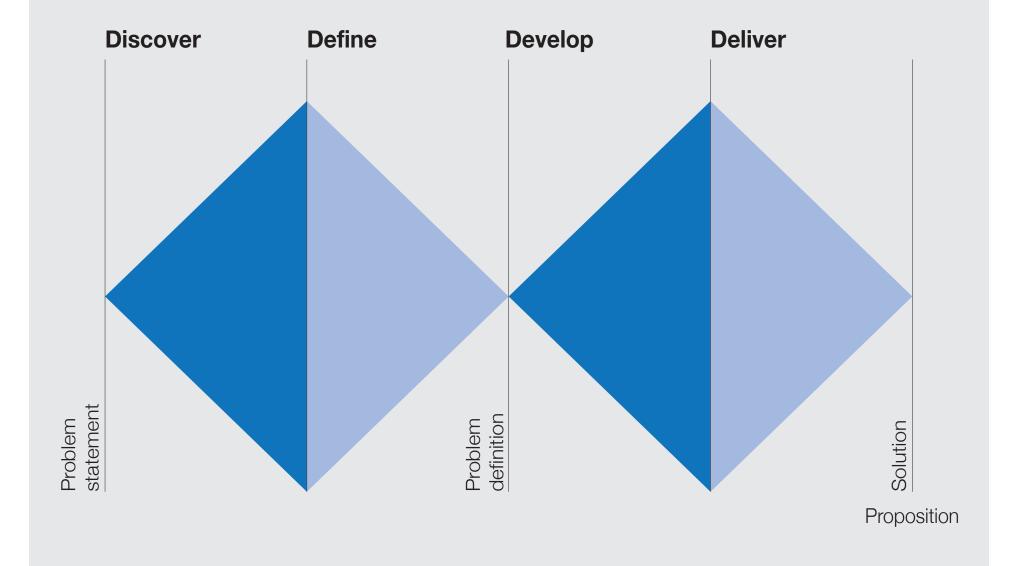


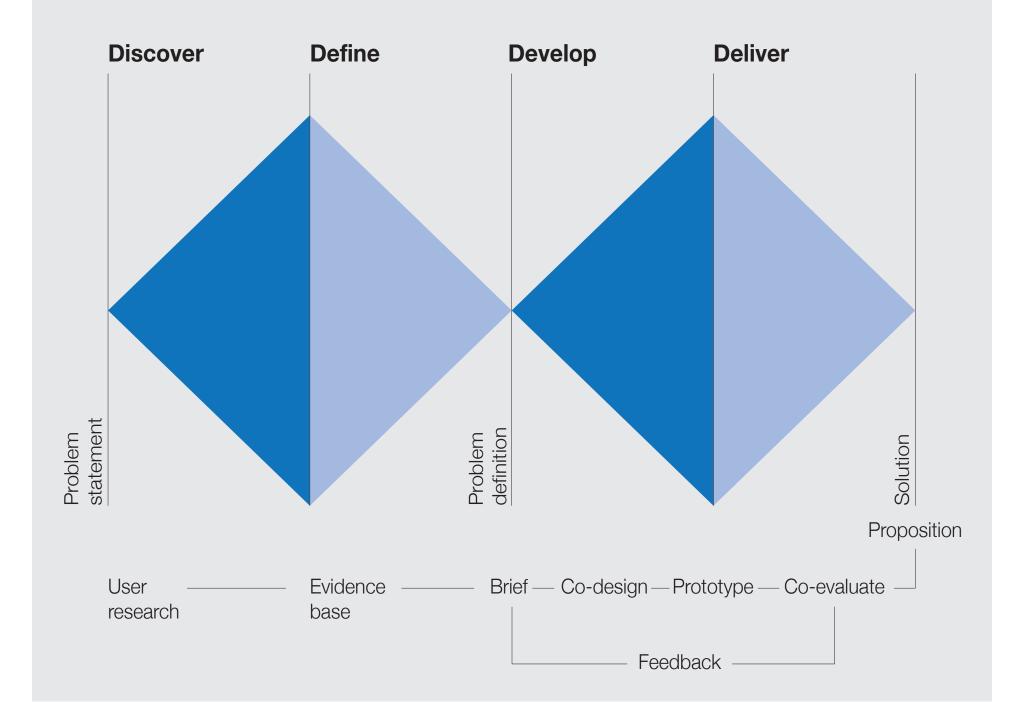


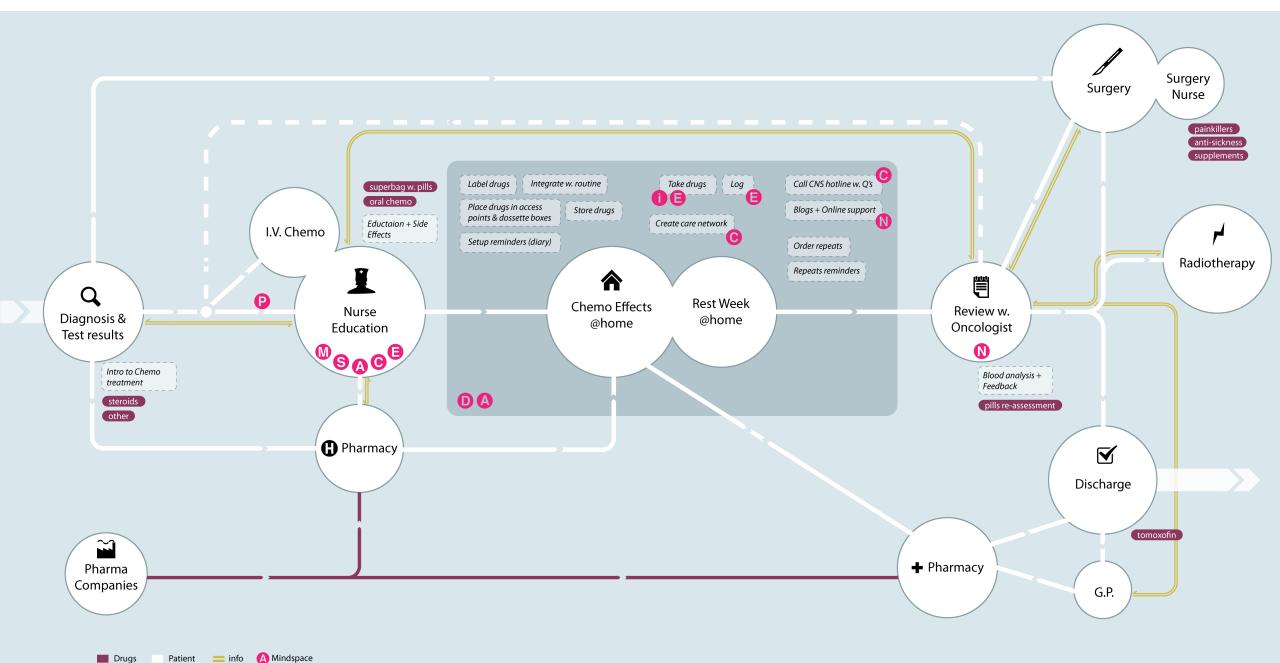
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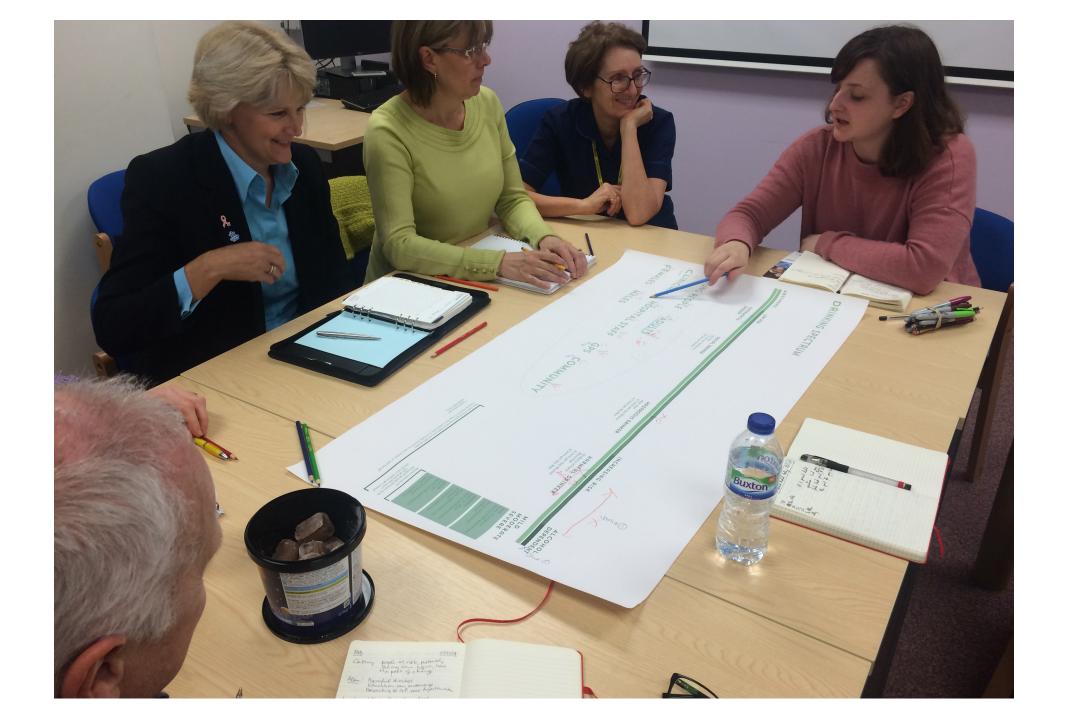
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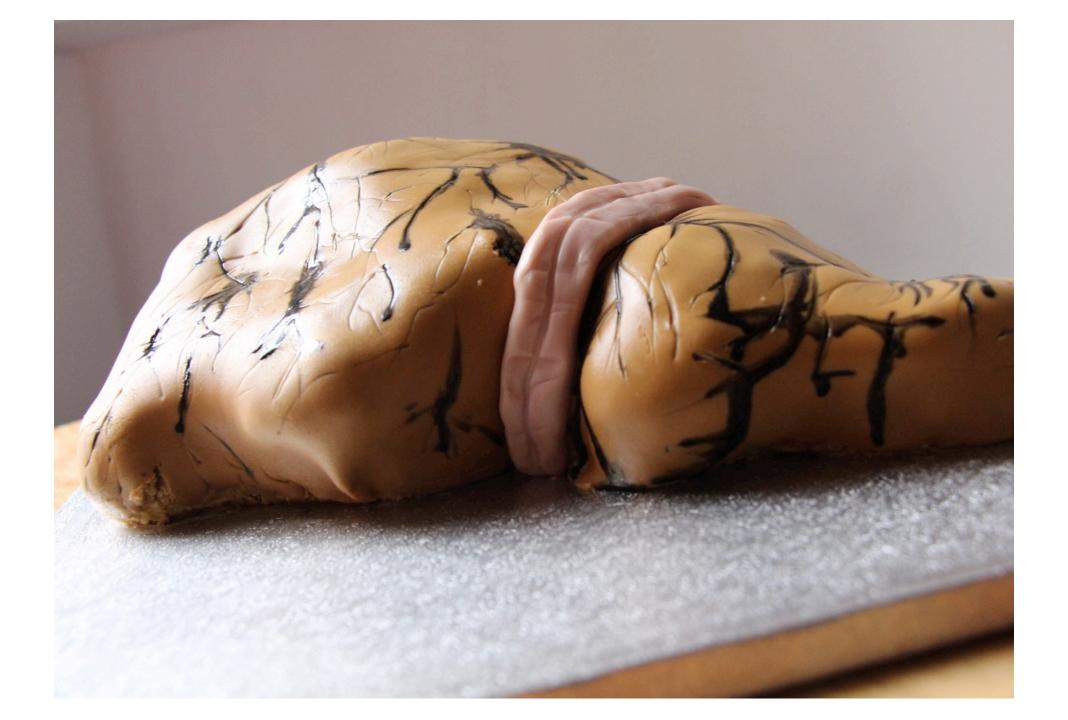


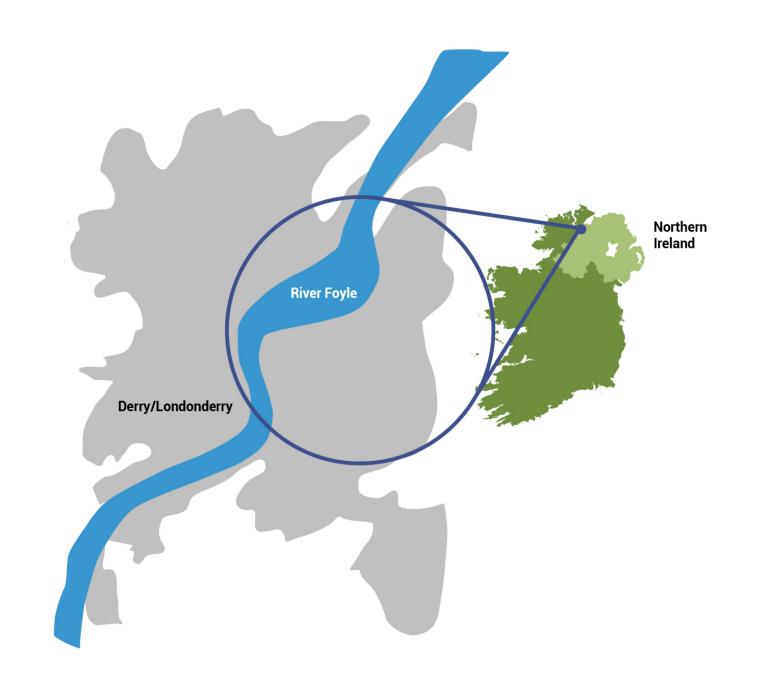










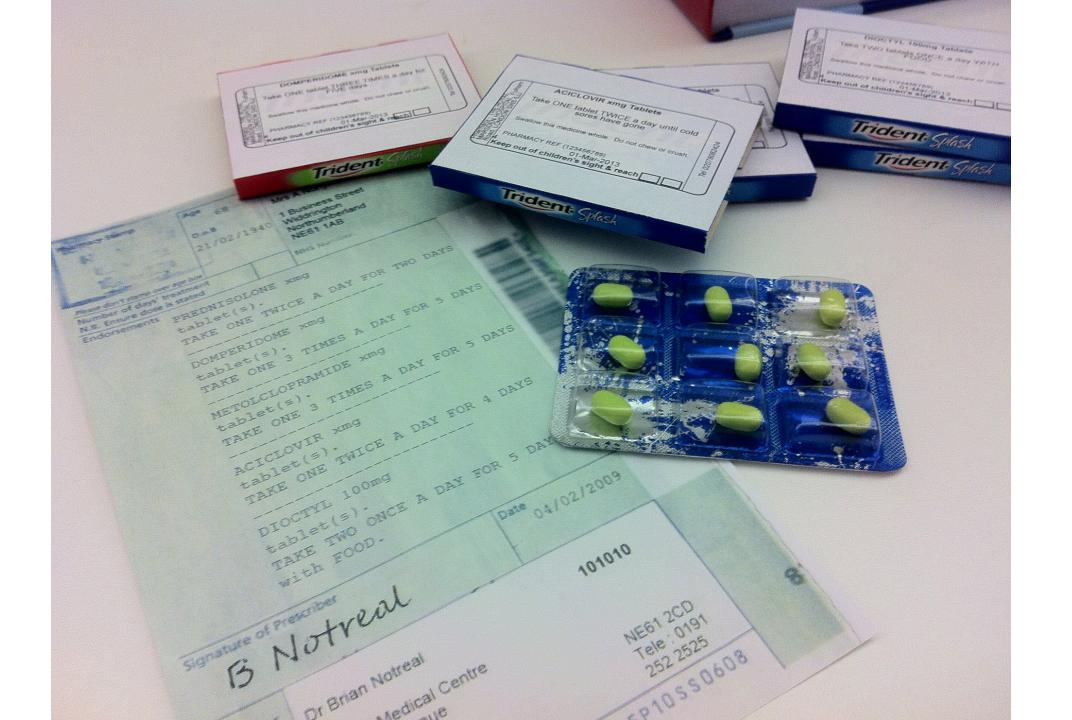












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Design Bugs Out





The Challenge



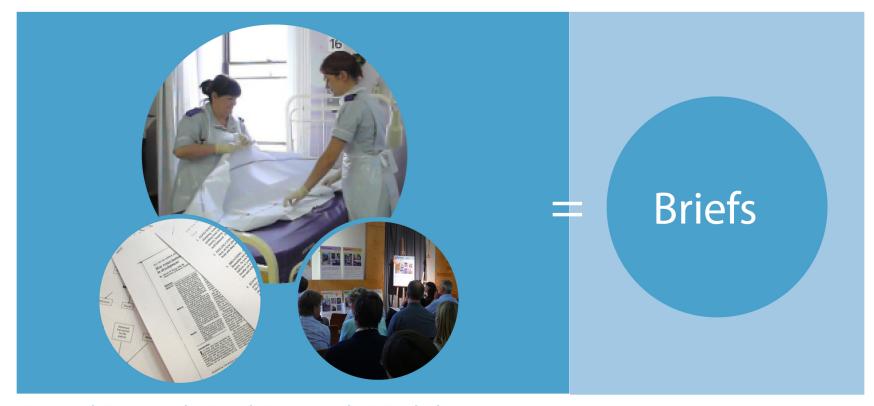
Insights



Exploration, Shadowing, Observation, Interviews



Brief Generation



Ground Research, Desk Research, Workshop

Our Six Design Briefs



Blood Pressure Cuff



Pulse Oximeter



Curtains



Patient Hygiene



Invasive Procedures



Blood Pressure Cuff



Problem

Blood Pressure Cuff







Solution

Invasive Procedures



Problem

Invasive Procedures



Problem



Solution

National Showcase and Feedback





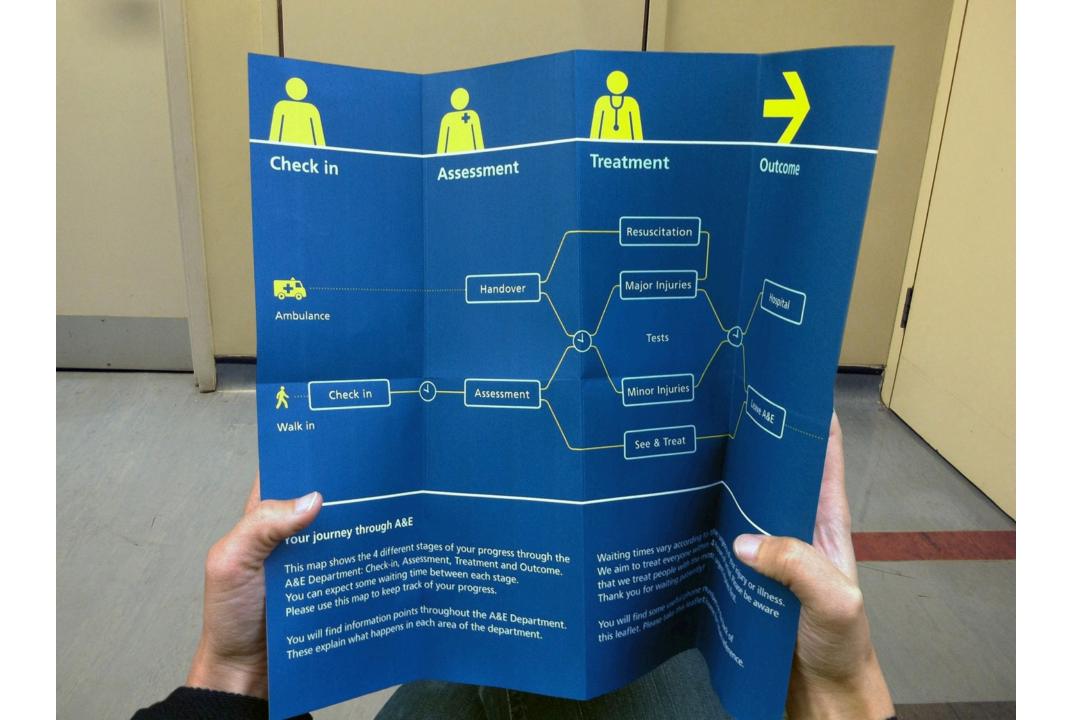




patient needs





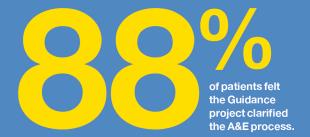












of patients said the improved signage reduced their frustration during waiting times.

Threatening body language and aggressive behaviour fell by 50% post-implementation.

3:1

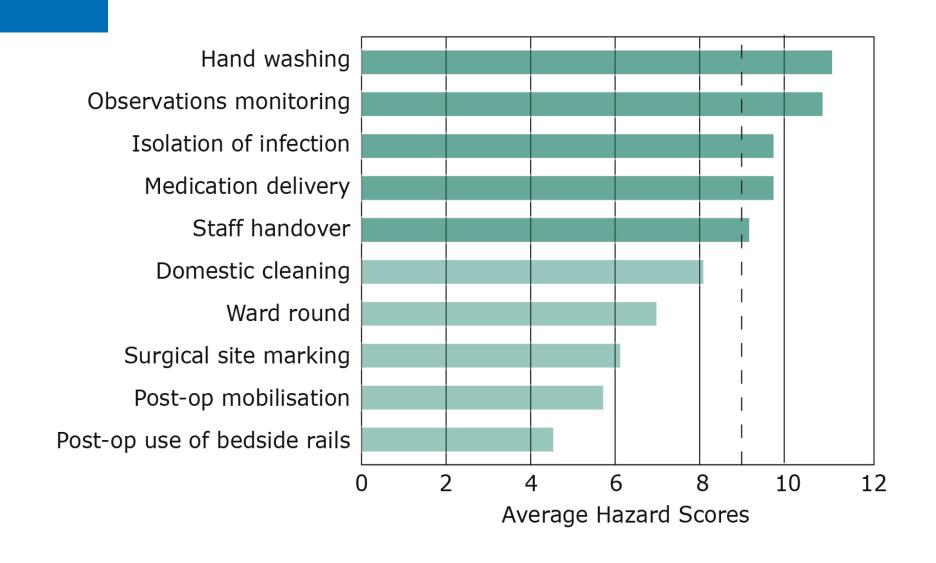
For every £1 spent on the design solutions, £3 was generated in benefits.



Patients' complaints relating to information and communication fell dramatically post-implementation.



HAZARD SCORES







Clinical trial

Hand hygiene compliance increase x3

Correct use of gloves increase x3

Correct use of aprons was 67% with the CareCentre and 0% without

CareCentre implementation will help reduce healthcare associated infections.







Flomark TM THE DRIP REDESIGNED







Approximately wastage of US\$ 3.98 per patient per 24-hours infused.¹

Staff time wasted on calculations & inefficiencies

Extended patient stay



^{1.} http://www.varori.co.za/infusion_problem.htm



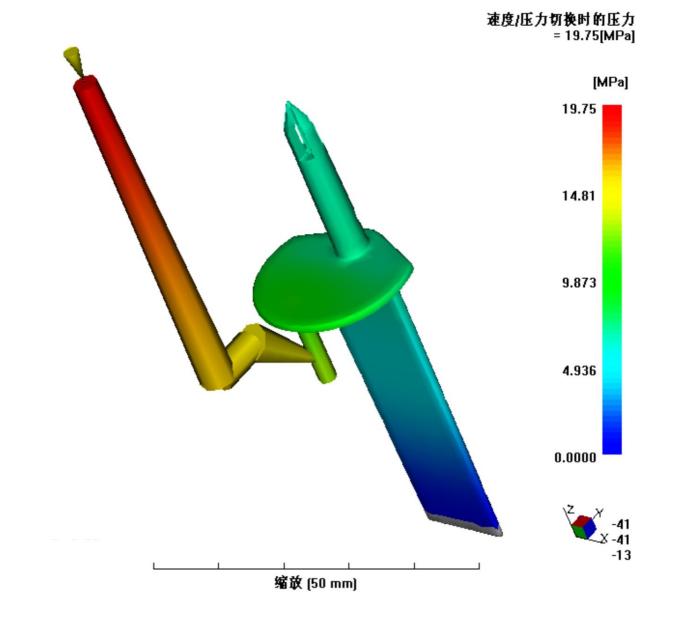
Design for manufacture

Trials

Regulatory

Licensing

Links with procurement

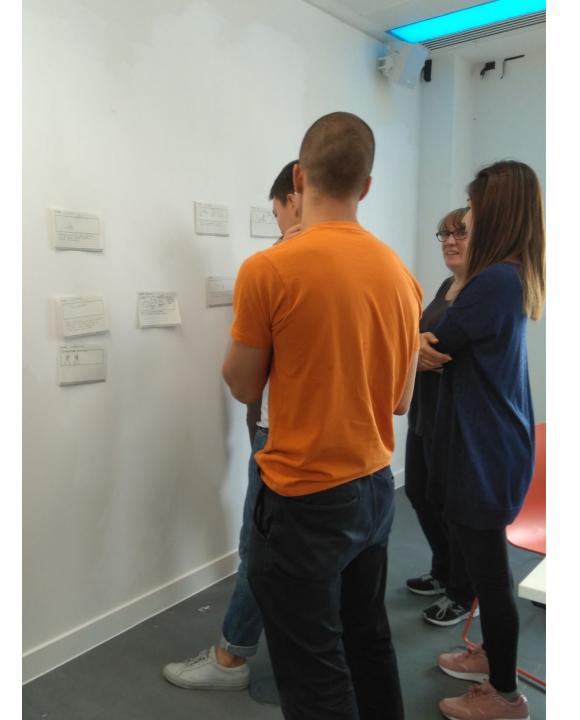












Design workshops around the UK

Smaller weekly workshops

Meetings with developers

Internal workshops

Building prototypes

Therapist House



Café Scenario



PROTOTYPE DEVELOPMENT

LEVEL DESIGN
-Creating friendly and stress relief spaces

REALISTIC DIMENSIONS
-Getting the right measurements
for each level





THERAPIST PRESENTATION

FLOATING TABLET
-Therapist being placed as a video

FULL BODY FORM
-Therapist standing in front of the user





Who we are

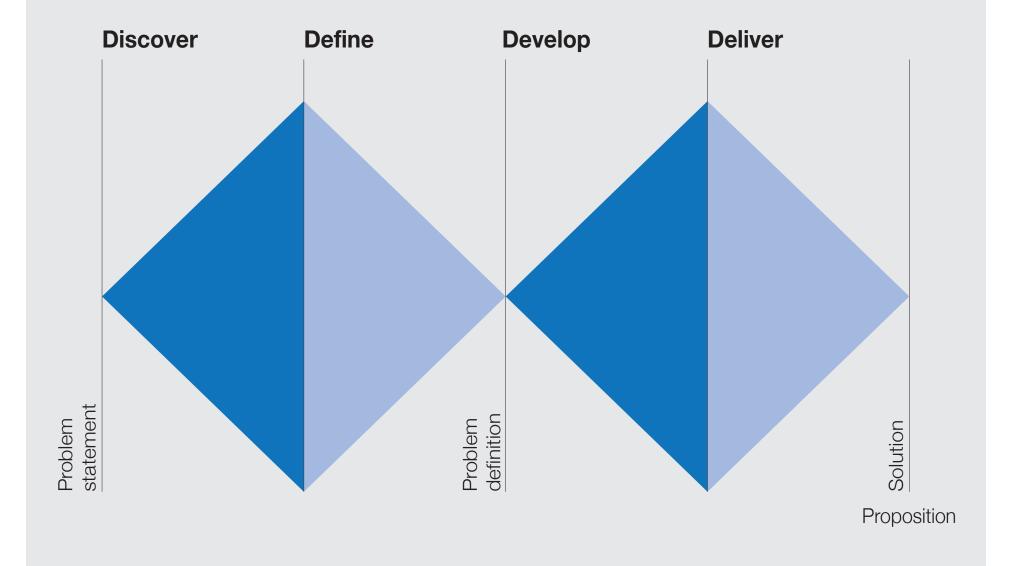
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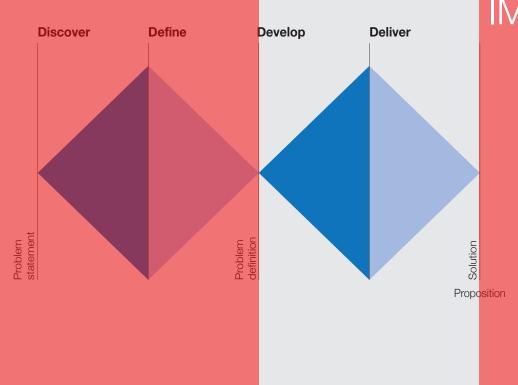
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Conclusions

Subjects Truth Inspiration **Traditional** Market Research Empathic Research Derived from presentation by Martin Bontoft (IDEO)



SCIENTIFIC METHOD – NEEDS GATHERING



SCIENTIFIC METHOD – TRIAL & IMPLEMENTATION

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Thank you



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