Designing Adaptive Technology to Provide Personalized Support to Cancer Patients

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Formative Work

1. Understanding Effective Human Processes
   - Spent a year with Cancer Navigators
   - Navigators provide **personalized** support
   - Navigators **adapt** as patients progress through treatment

   *I’m there to support them, I become their shadow. That’s what I tell them, ‘I’m your shadow through all this. And just know I’m here to do whatever you need me to do.*

2. MyJourney Compass
   - Evaluated adoption of open, customizable tablets
   - Tablets afforded **privacy**
   - Ability to add content motivated **continuous engagement**
   - Participants used ‘non-health’ resources to support health and wellbeing

3. Understand the breast cancer journey from patients’ perspective
   - Asked survivors to ‘draw their journeys’
   - Range of challenges that **change over time**
   - Participants described a personal journey: how cancer affected their **daily lives**

MyPath

Design Goals

- Makes personalized health information recommendations based on health record and user input
- **Provide day to day support**, with focus on transitions of care and barriers to care
- **Integrate clinical and non-clinical** information
- Combine generalized, clinical knowledge with **individual data**

Evaluation

- Qualitative analysis of use
- Randomized controlled trial
- Continuous assessment of barriers and psychosocial metrics
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