



Exploring the usability of a web-based breast reconstruction decision aid using the sociotechnical framework

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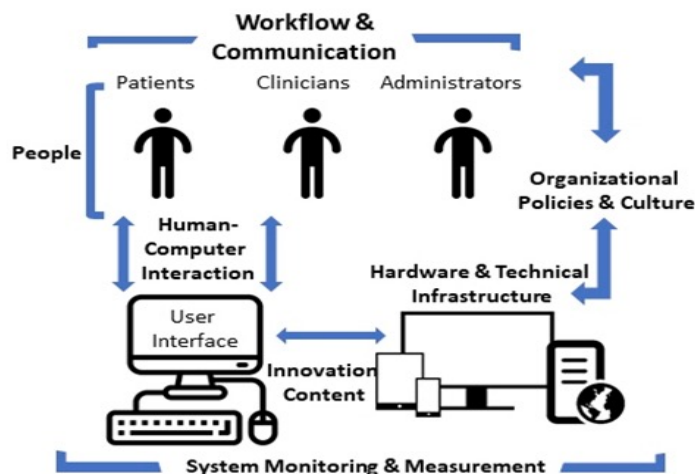
For more information see: breastchoice.wustl.edu

What We Did

- We interviewed 10 patients and 12 clinicians to learn about the usability of BREASTChoice
- Patients and clinicians used BREASTChoice to test technical issues and give ideas for routine use
- We analyzed results according to the socio technical framework (see figure below)

Timeline

6 months	Stakeholder engagement
3 months	Modify/update based on feedback
3-6 months	Obtain institutional approval
2 months	Design integration approach
6 months	Program/build test and de-bug



What We Learned

- Patients and clinicians found BREASTChoice usable and useful for routine care
- BREASTChoice could support shared decision making, improve workflow, help conversation flow
- Patients and clinicians differed on the best timing to use BREASTChoice (see quotes)
- Patients identified some workflow challenges such as the tool not automatically updating as people change information, and sometimes not understanding how to progress throughout the tool

“I would probably prefer at home [use]...I could really take time to go through it, and then if I had questions...I would just write any of that down and then take that into my doctor.”

– Patient 20, flap reconstruction

“There's a lot of waiting when they come to our clinics...these sorts of tools are perfect. It triggers questioning when they're finally seen, and...minimizes their annoyance that we're behind.”

-Clinician 45

What Will Happen Next

- We are testing how BREASTChoice works compared to a standard website in a larger study
- We are conducting the larger study in St Louis, MO & Columbus, OH.
- Thank you again for your time and input!