The context

Four studies, as the primary research contains knowledge and actionable insights for digital health designers to improve PEx, are the foundation of this project. **The digital PEx is how people experience in different digital health contexts.**
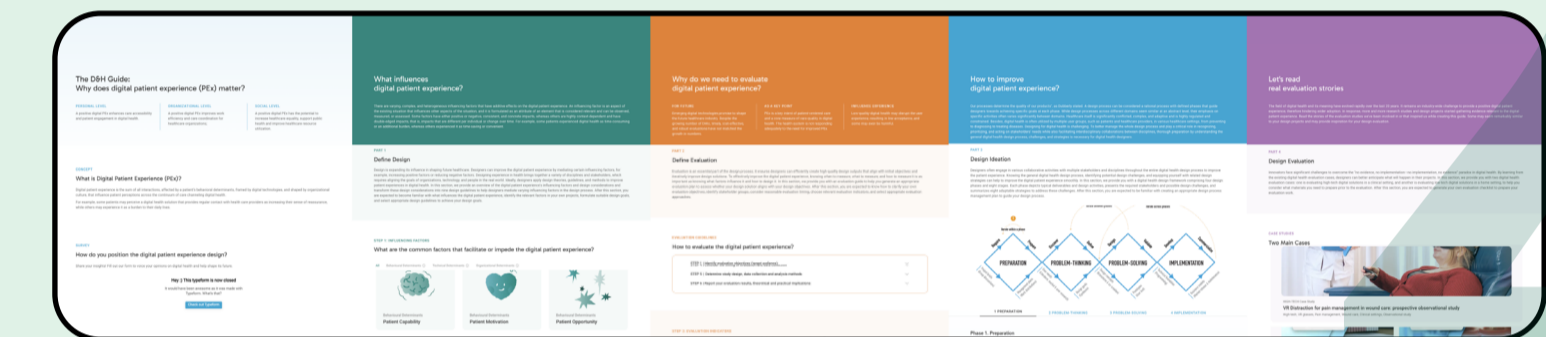
However, the transition of academic research into practical design information faces obstacles, thus **whether practitioners can benefit from the primary research is still unclear.**

Develop and evaluate a web-based design guide for improving the digital patient experience (PEx)

Enhancing experiences for you, me, and nearly everyone in digital health.

1 What are the considerations for generating and evaluating a web-based design guide?

The primary research has decided to be transformed into a web-based design guide. The design requirements, based on desk research, are usability, consistency, accessibility, clarity, efficacy, and credibility. The design goal is... **to transform the primary research into a good and usable web-based design guide, enabling healthcare designers to utilize the primary research to improve the digital PEx.**

2 How can we generate a web-based design guide?

Various tools and approaches, including walkthroughs, case studies, WCAG 2.0 contrast ratio principle, information architecture, co-creation, expert review, wireframes, and prototypes, have been utilized. The target users, healthcare designers, are expected to comprehend the digital PEx, acquire relevant knowledge, and carry out exercises through this website. **An initial MVP website was created.**

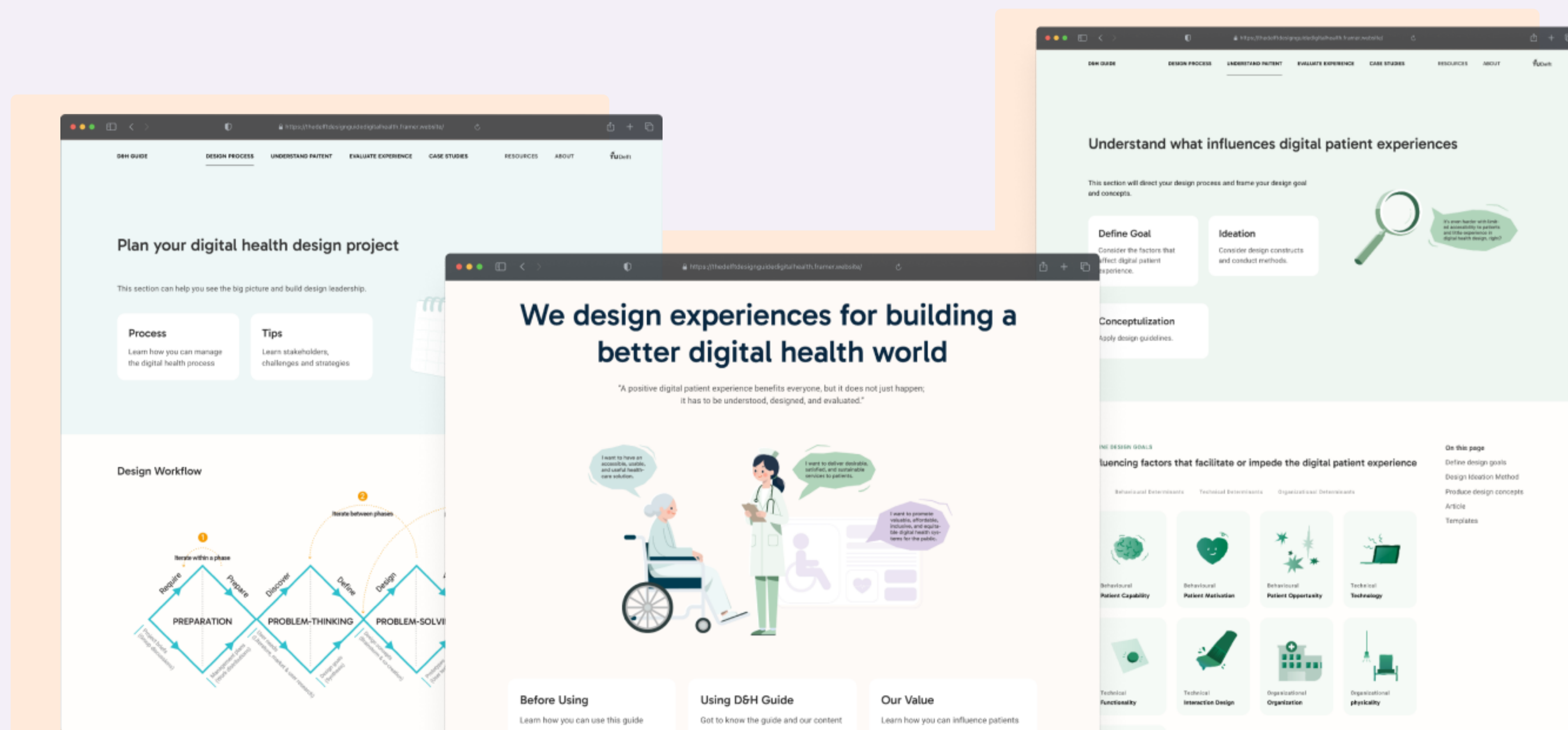### 3 How should we evaluate this web-based design guide?

The initial prototype was assessed by 19 participants, which indicated clarity, efficacy, and website usability needed improvements. An iteration was accordingly generated, and usability tests with five participants were conducted to validate the iteration.

Conclusion

A final web-based design guide was formulated. **The final design had expected clarity, efficacy, credibility, color accessibility, internal and external consistency, and acceptable usability.**

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