How might we increase the adoption of ORBIS to improve safety and efficiency in an operating room setting?

Giving providers the right data at the right time to always stay on target.

PROBLEM SPACE
ORBIS is a comprehensive health IT platform that brings data transparency through a web interface so that providers, surgeons, anesthesiologists and nurses, can gain real-time insight into individual and group performance in the operating room. However, the current design of the ORBIS website faces adoption issues.

CONCEPT
Our solution empowers providers with the tools to increase efficiency and safety within the operating room. Through design consistency and simplification, providers can quickly navigate and interact with ORBIS to gain real-time insight into individual and group performance. Most importantly, providers can easily comprehend data meanings and orignance without information overload.

PROCESS

Evaluative Research
Conducted surveys and usability tests to gage the discoverability, desirability and effectiveness of ORBIS. Key research findings included a lack of adoption by providers due to issues with metric transparency and information overload.

Ideate
Used evaluative research findings to brainstorm redesign sketches of ORBIS that targeted:
1. The ability to customize metrics
2. An intuitive navigation system
3. A reduction of information overload

Prototype
Redesigned ORBIS in the form of a low-fidelity prototype to include more whitespace, a more intuitive and visually appealing navigation system, and less information at first glance as to not overwhelm the user.

Design
Administered and analyzed usability tests on the low-fidelity prototype. Key findings included consensus on user-friendliness of layout and overall navigation, but confusion over button functionality. Our high-fidelity prototype addressed these findings in the inclusion of icons, color schemes, and interface tools.