



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.

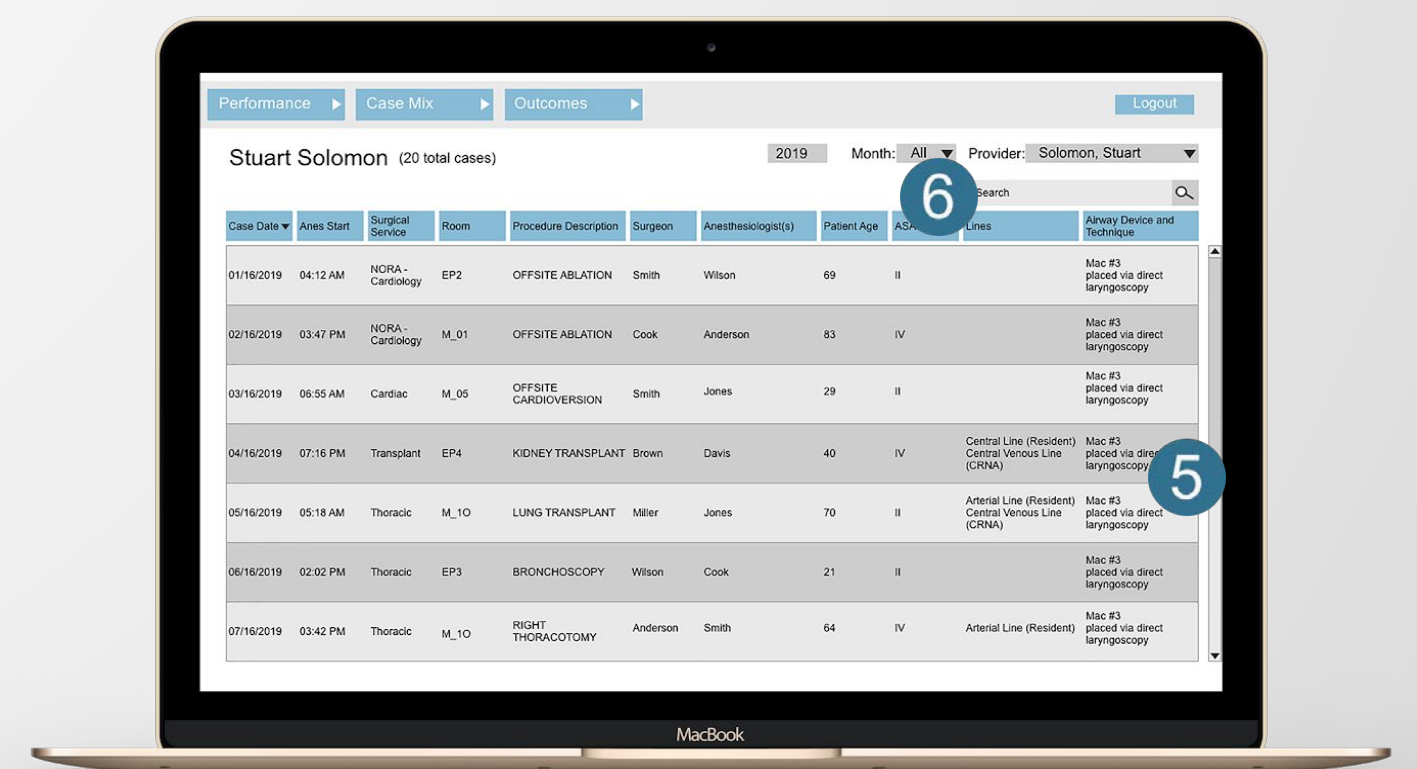
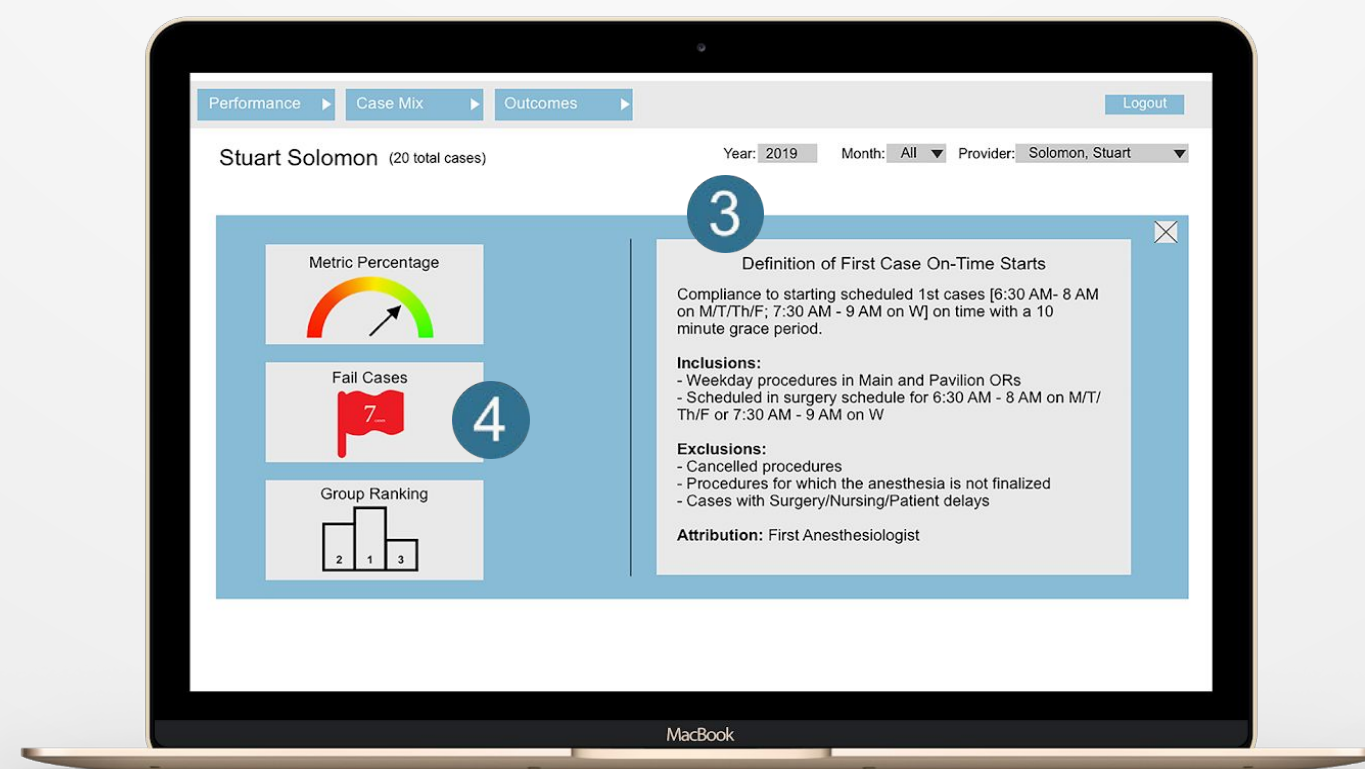
CONCEPT

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 originance without information overload.

- 1 Keeping only necessary navigation buttons makes it more intuitive and avoids repetition
- 2 The color scheme that consists of shades of blue and grey is clean and easy on the eyes

- 3 The Metric Expansion page displays all the metric details with one click
- 4 Fail Cases are represented by a red flag to alert providers in a friendly manner

- 5 Having only one scroll bar on the Case Log page maximizes the screen space
- 6 The search bar allows for quick filtering through the Case Log



PROCESS

1 Evaluative Research

Conducted surveys and usability tests to gauge 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.



2 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



3 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.



4 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.

