

UI/UX Design

Objective

The goal of the UI/UX design phase was to ensure that the data visualization tools and overall user interface were intuitive, easy to navigate, and aligned with the needs of healthcare professionals (physicians, researchers, professors). This phase focused on designing user-friendly dashboards and interfaces to make the health data more accessible and actionable.

Timeline:

August 2024 - December 2024

Design Process:

- User Research: We conducted surveys and interviews with healthcare professionals to understand their needs and expectations for a dashboard.
- Wireframes and Prototypes: Early wireframes and interactive prototypes were created to test layout ideas and features.
- Usability Testing: The design underwent multiple rounds of testing with actual end users, refining the interface for maximum usability.
- Final Design: The final design focused on visual clarity, ease of navigation, and a clean layout that could effectively display large datasets.

Tools Used:

- Design Tools: Figma, Adobe XD
- Usability Testing: UserZoom, InVision for prototype testing
- Feedback Collection: Regular feedback was gathered from healthcare professionals during usability testing.

Outcome:

- The UI/UX design significantly improved user satisfaction by making it easier for healthcare professionals to access and interpret data.
- This phase led to better engagement and adoption of the system among the target users, including physicians, researchers, and professors.

Recognition:

Our project, which included these innovative UI/UX designs, was highlighted at Indiana University, Indianapolis, recognizing the significant impact it made in the health informatics field. This public recognition helped validate the value of the project and encouraged further involvement from both academic and professional communities.