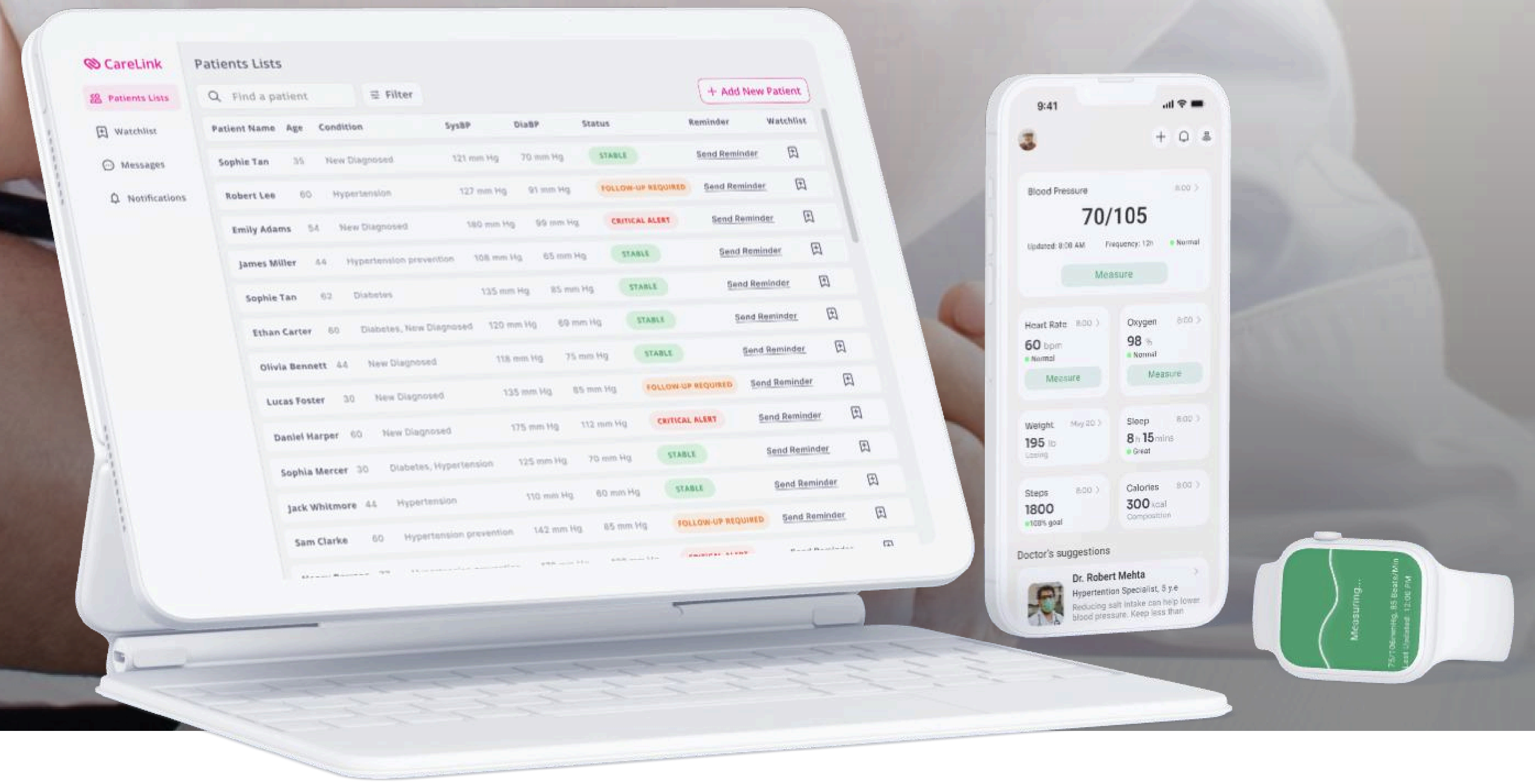




A seamless B2C platform connecting doctors and patients for hypertension management.



Problem

In the United States, 44% of adults struggle with hypertension. However, there aren't enough primary care providers to meet the needs of this growing patient population, especially in rural areas.

To effectively monitor hypertension, patients need a reliable way to routinely submit their blood pressure data, while providers require a streamlined system to access and monitor it.

Currently, there are few accessible solutions that both meet medical data privacy requirements and effectively address the communication needs of doctors and patients.

Solution

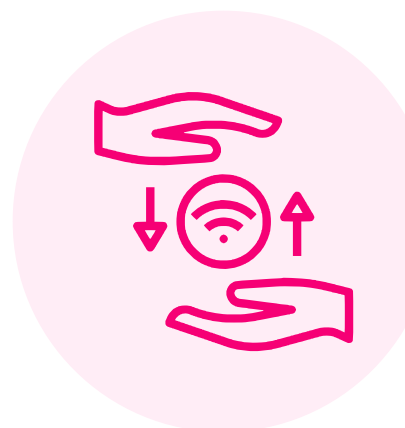
To enhance hypertension management and streamline healthcare efficiency, our solution provides a smart add-on system for EHR that reduces information overload and prioritizes critical metrics for doctors.

By integrating 5G technology and wearable devices, it improves blood pressure monitoring adherence and enables proactive patient engagement, improves healthcare accessibility, and reduces commuting time for patients. Additionally, for doctors, it reduces operational costs and alleviates staff shortages, optimizing patient care and chronic condition manage for patient.

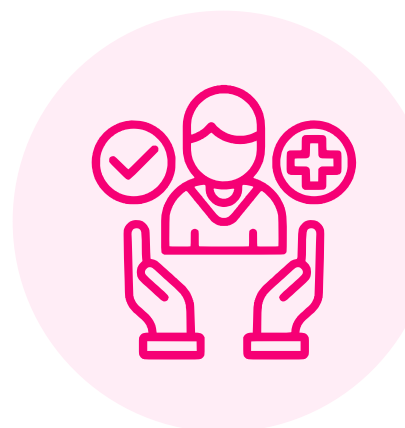
Key features



**Real time BP report**  
Enable real-time and trending blood pressure (BP) data reporting for continuous monitoring

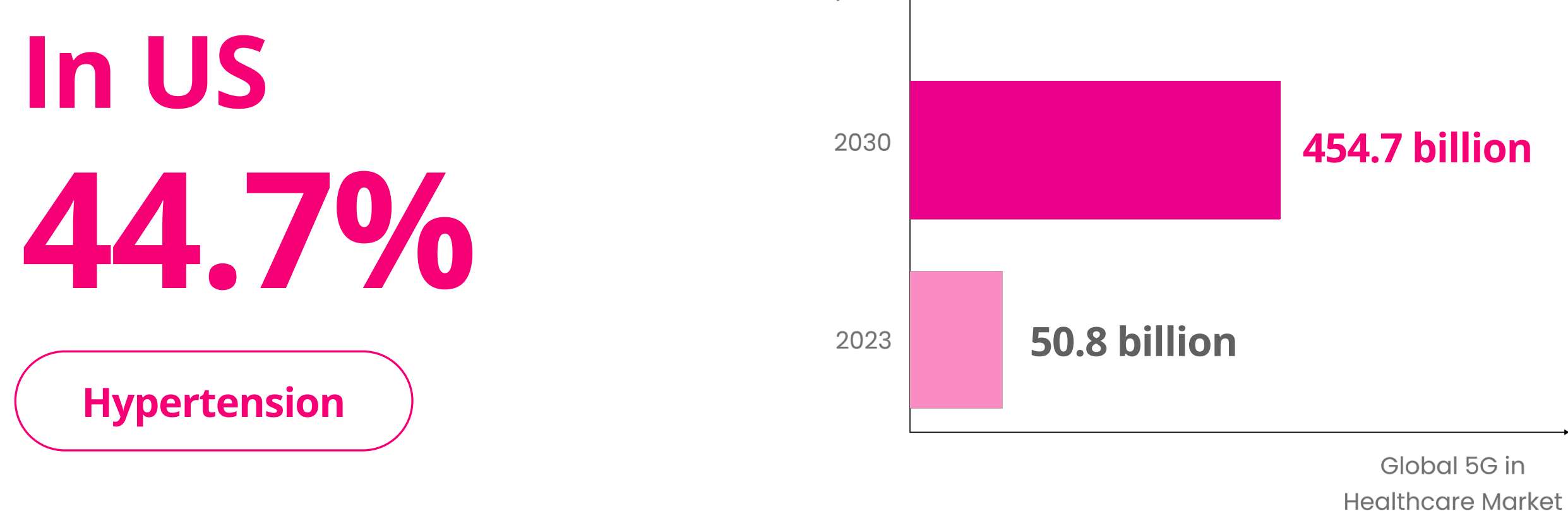


**Prioritization**  
Help doctors prioritize hypertension patients for follow-up actions



**Efficient communication**  
Seamlessly and securely connect patients with doctors using 5G for faster interactions

Target Market



Design Question

How might we design a 5G-enabled solution for Hypertension Specialists that improves doctor-patient communication and alleviates staffing shortages in healthcare?

Approach

Over six months, we conducted in-depth research, including SME interviews with healthcare providers, iterative prototyping, and user evaluations. By refining our prototypes based on feedback, we developed a B2C platform that prioritizes user-friendliness, efficiency, and accessibility while striving to meet Health Insurance Portability and Accountability Act (HIPAA) compliance standards.

User Research & Design Validation

5 Medical experts interviews

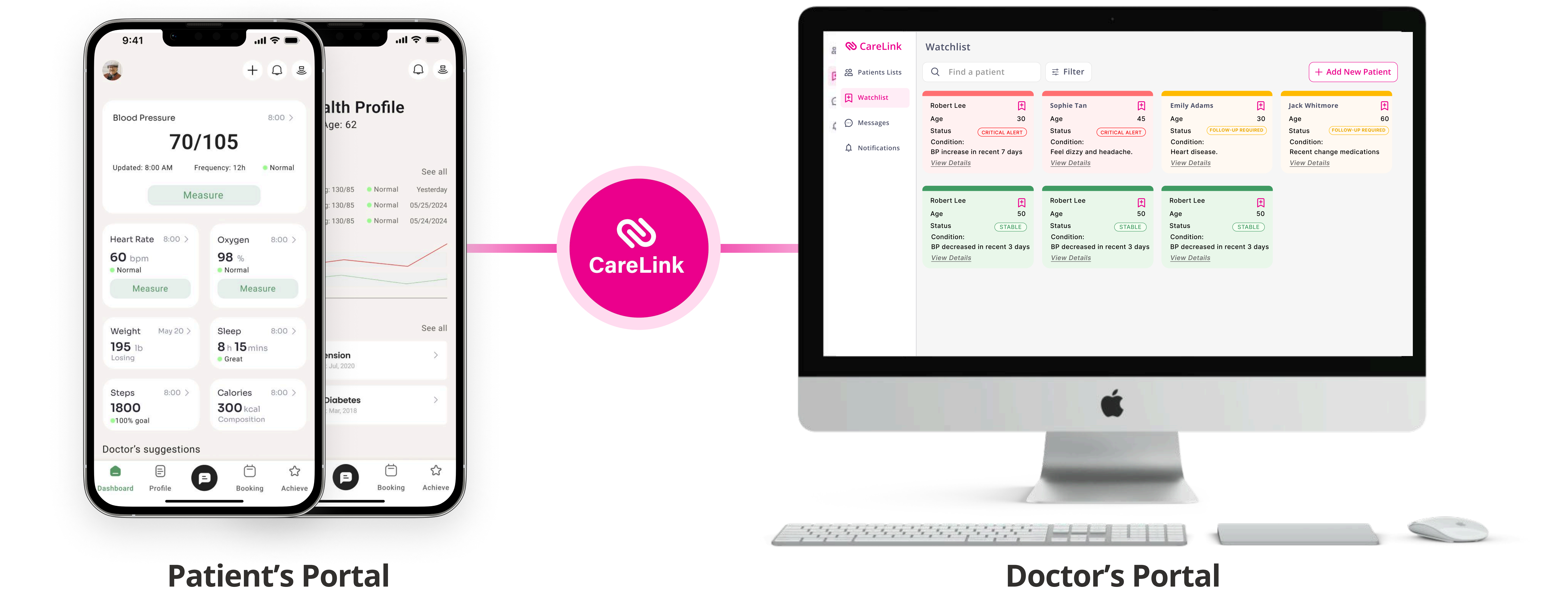
10+ User interviews

3 Locations field studies

10+ Participants in testing

4 Rounds of UI iteration

50+ Interface screens



System Architecture

