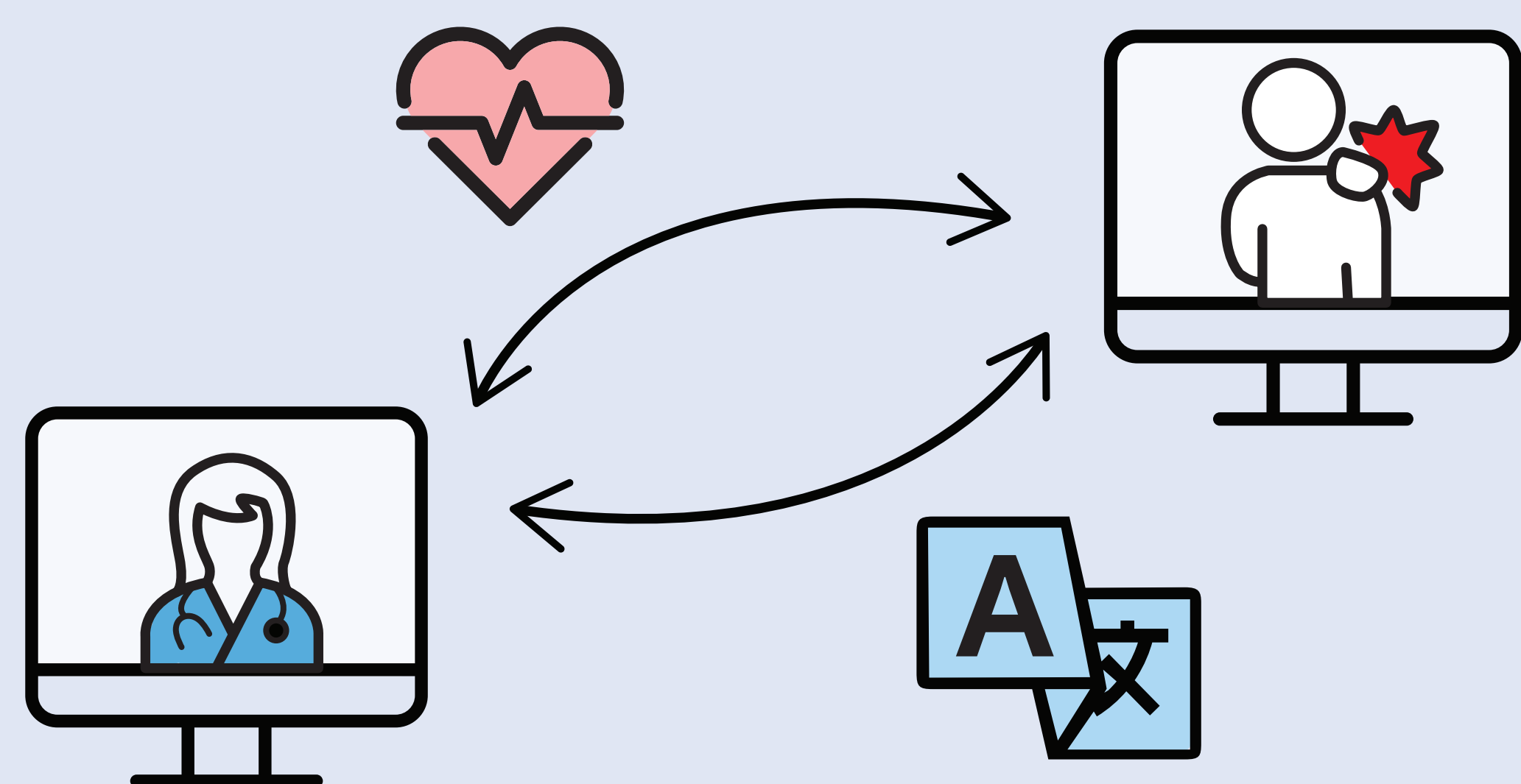
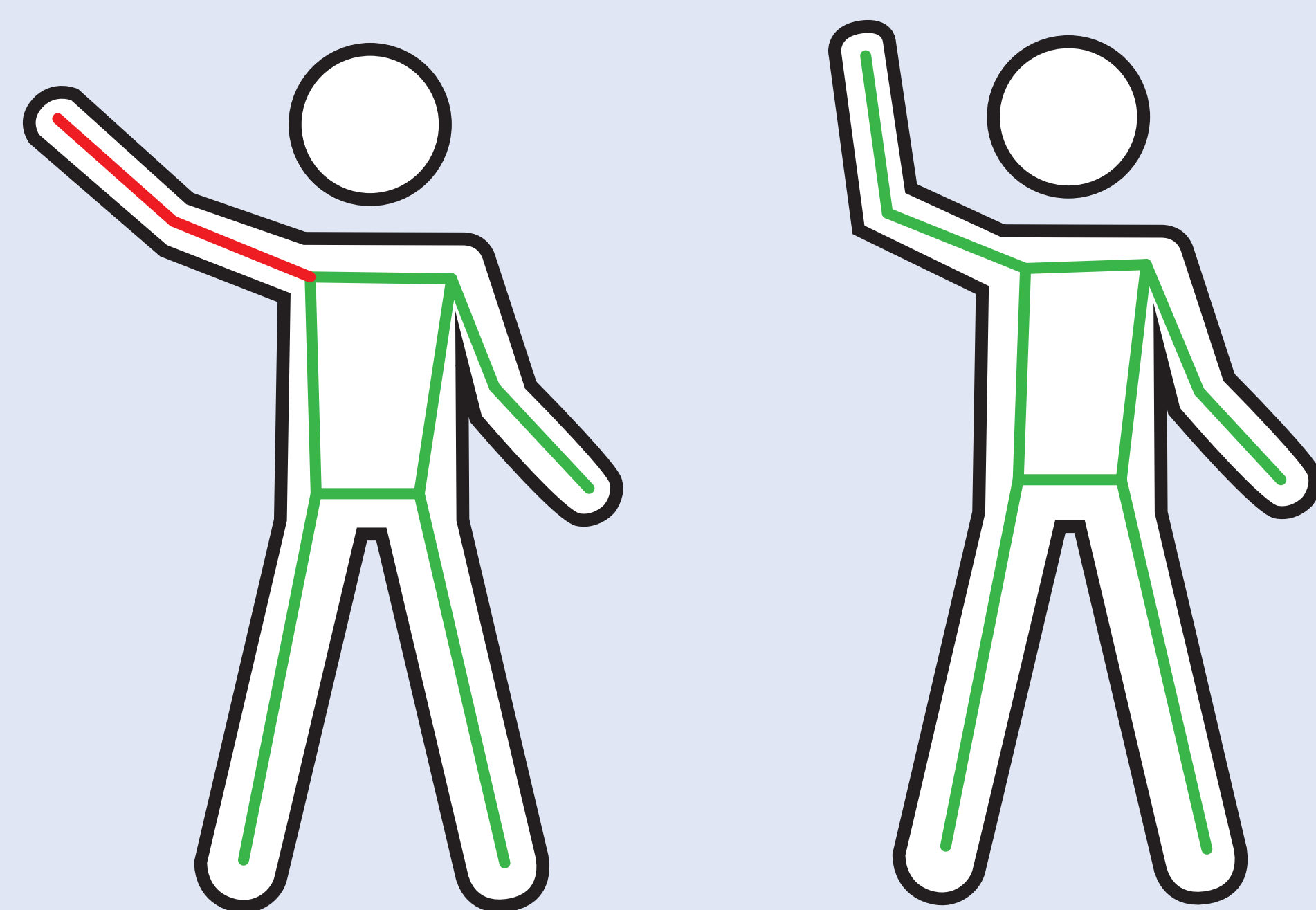


Christopher Lianides • Terrell Marshall • Aditya Nadkarni • Michelle Nguyen • Ekta Shahani

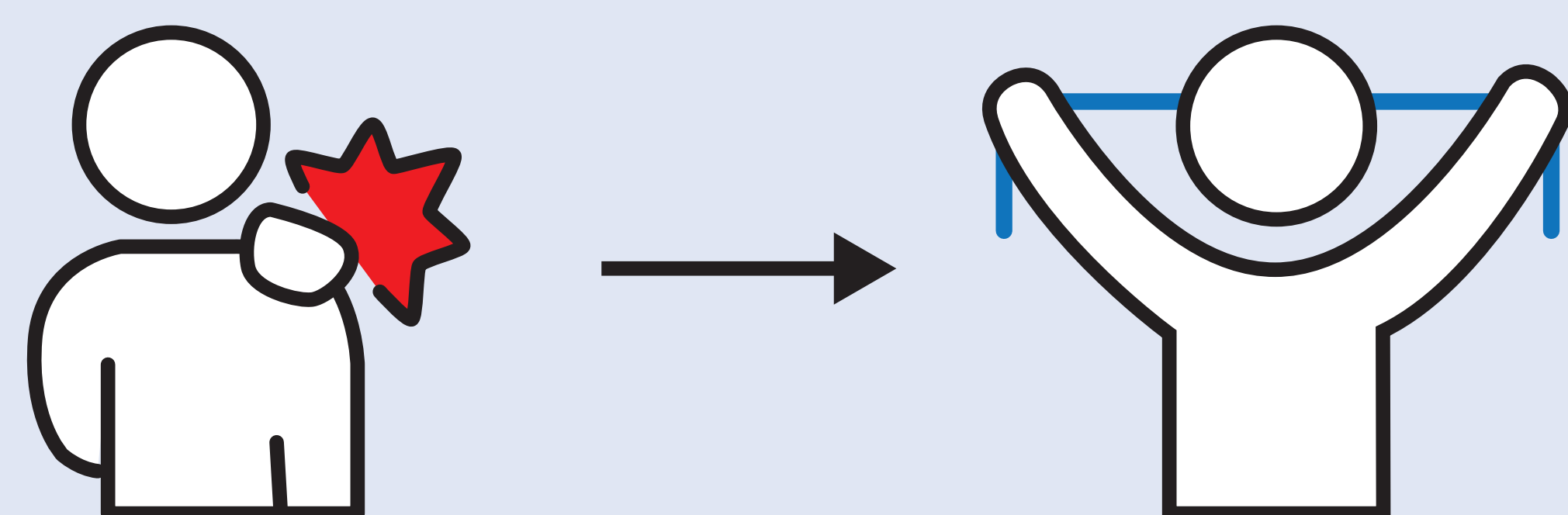
COMMUNICATE



PHYSICAL THERAPY



RECOVER



MOTIVATION

65M injured patients **do not seek physical therapy** due to

- Inadequate accessibility
- Physical therapy requiring more communication than current telemedicine solutions

SOLUTION

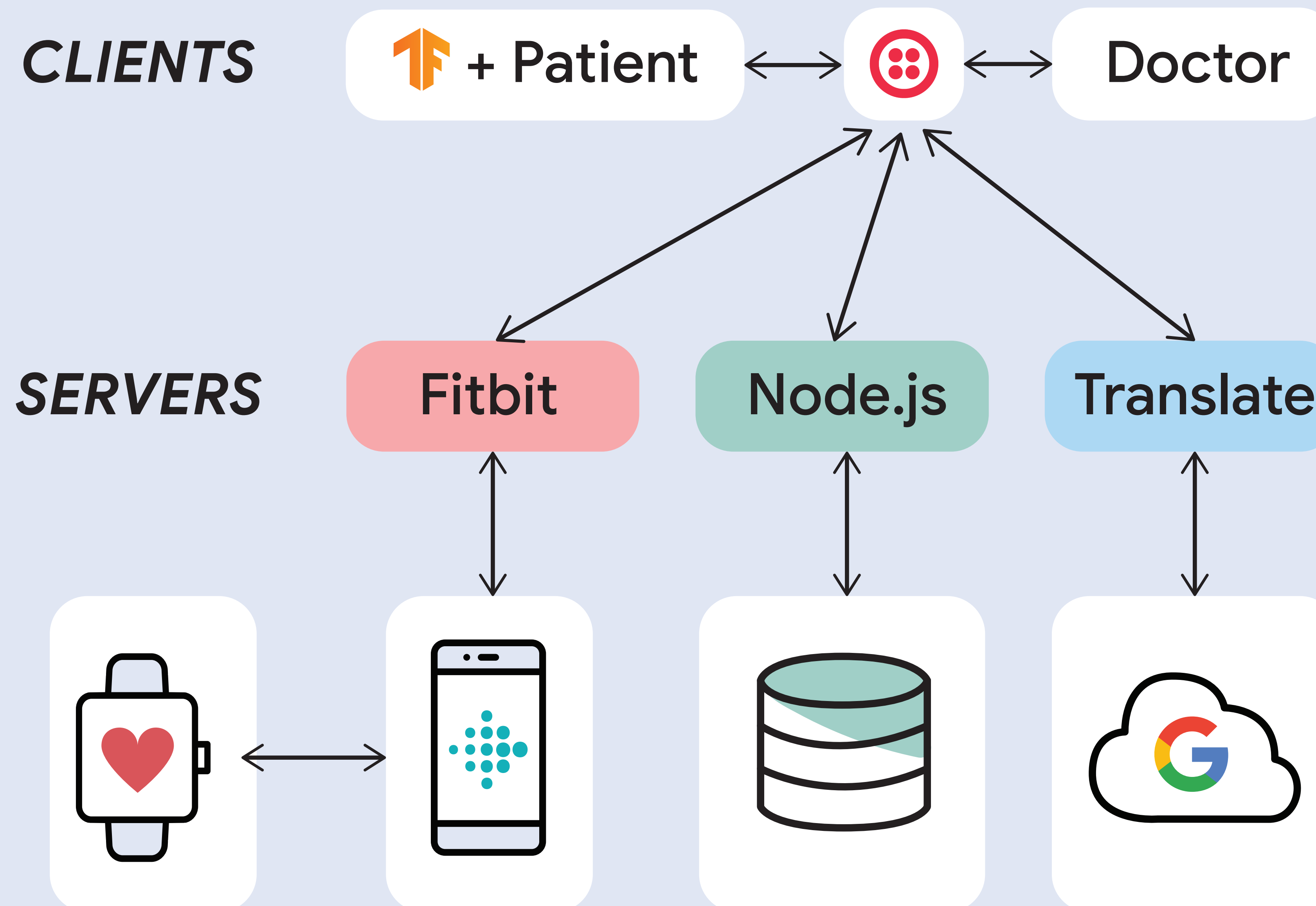
Apollo Physical Therapy is **Smart. Accessible. Inclusive.**

- Augmented Reality guides patients during exercises
- Reduces back & forth miscommunication

INNOVATION

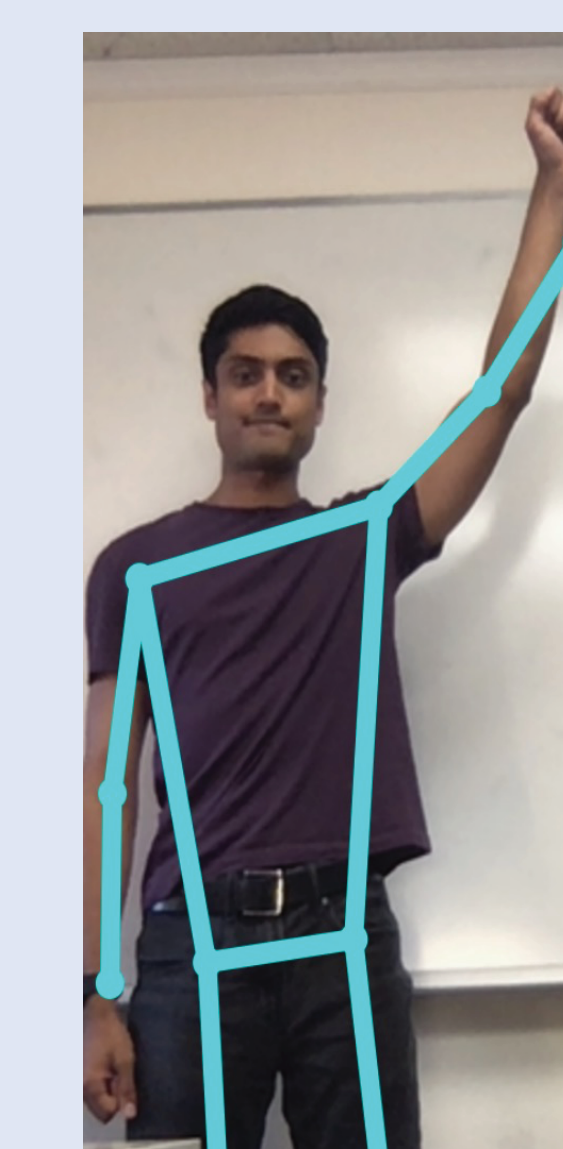
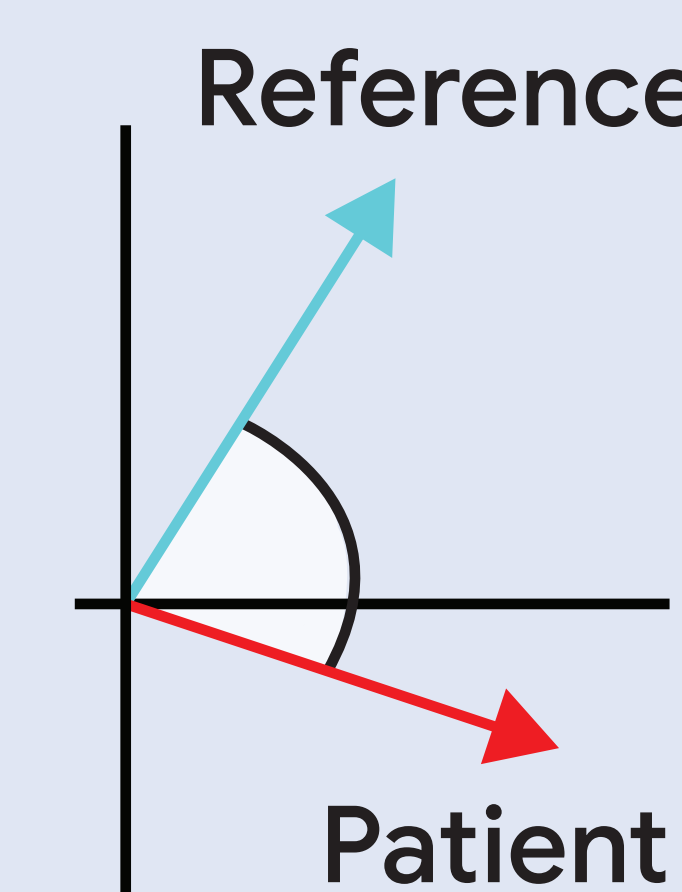
- **Highlight key problem areas** on the patient's body
- **Overcome language barriers** with translation support
- **Detect acute pain** using live heart rate monitoring

ARCHITECTURE

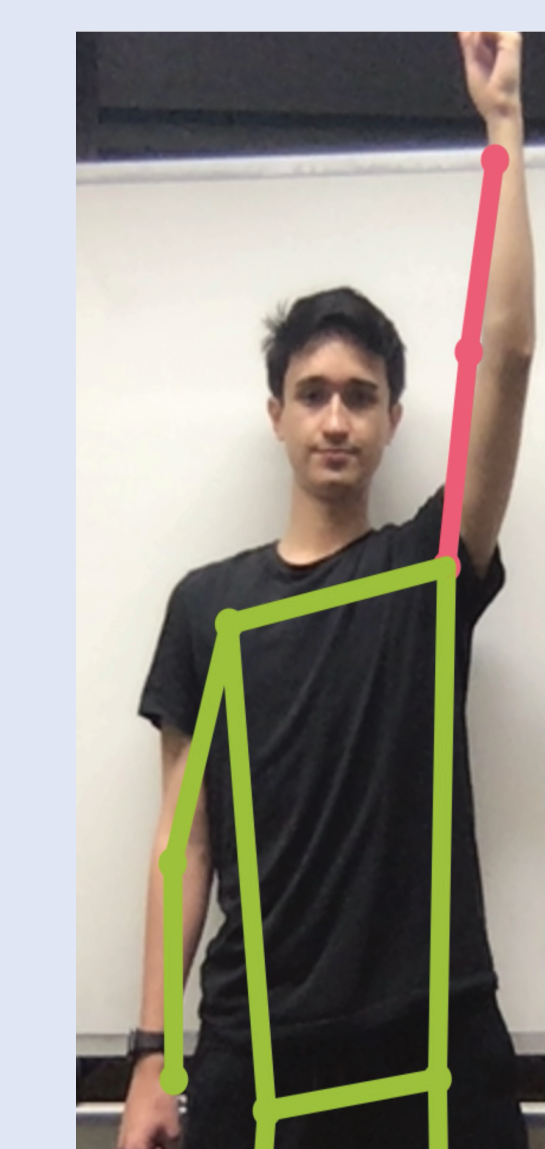


SCALABILITY

Our matching algorithm analyzes the patient's pose using computed reference vectors based on **cosine similarity** and **confidence scores**.



Reference



Incorrect



Correct