

UNDER PRESSURE



How might we prevent pressure injuries?

Early Adopters

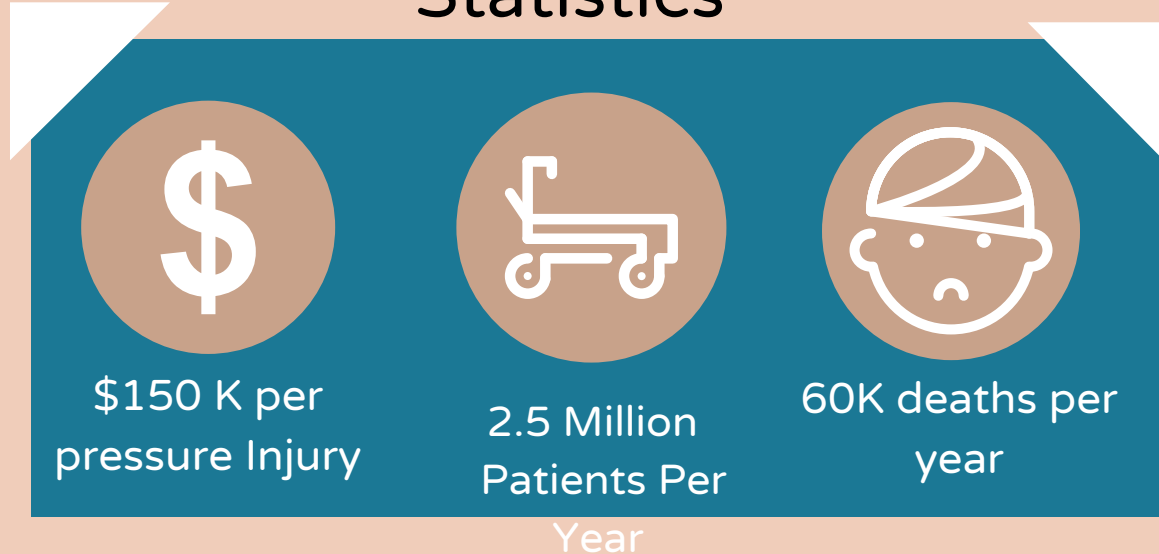
Partner with Emory Hospital
One-time sale for device installation
Subscription for notification system

Interview Insights

- Mechanical solutions are ineffective
- The product when used in tandem with nurses would be most effective



Statistics



Problem

Pressure Injuries - Painful and dangerous sores developed as a result of prolonged pressure



Causes



Temperature Immobility Moisture Pressure

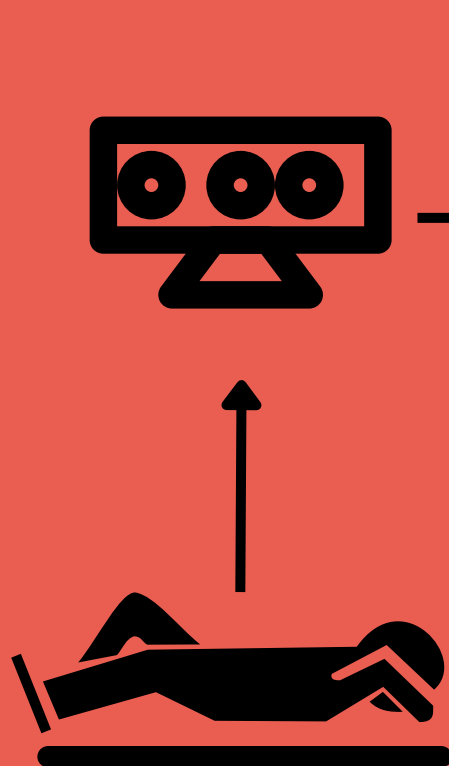
Problems with Solutions

- Body composition varies pressure
- Nurse's busy schedule -> unable to turn patient
- Two hour turning period has no evidence

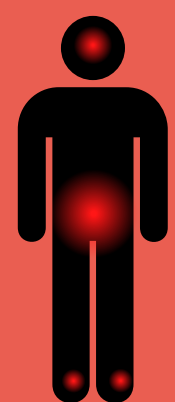
Solution

Depth Camera Takes Image

Immobile Patient



Pressure Data Recorded



Algorithm Detects Ulcer Forming -> Notifies Nurses

Nurse Interacts and Moves Patient



Unique Value Proposition

Low Cost solution ~40 dollars
Accounts for different body types
Easy setup

Next Steps

Improve camera accuracy
Develop initial notification algorithm using past data
Create Interface
Test camera's effectiveness in hospitals
Develop cost-effective prototype

Experiment Data

