CPR CONNECT CC

CONNECTING RESPONDERS AND VICTIMS

Farrah Alkhaleel, Co-Founder Dara Bakar, Co-Founder

Mentors:

- Dr. Benjamin Abella, HUP
- Dr. Ari Brooks, HUP
- Dr. Thomas Farmer, SEAS



- Spring 2016 Penn I-Corps National Science Foundation Accelerator
- Penn Center for Health Care Innovation Accelerator Semi-Finalist 2015 (ranked 9/96 teams)
- Weiss Tech House Summer Start Up Space 2015

TECHNICAL TEAM



Vivek Panyam, SEAS'16 Hardware development



Kevin Lei, SEAS'16, WH'17 Software development

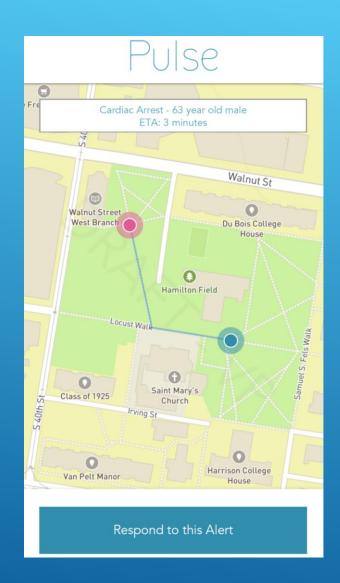


Shichao Wang, SEAS'16
Software development



PROBLEM

- Emergency response times are too high. In Philadelphia alone, response times are an average of 15 minutes, whereas the national standard is 9 minutes.
- Bystander CPR could increase the chance of survival for a cardiac arrest victim by over two-thirds (American Heart Association).
- With over 12 million responders being trained for CPR annually, no current technology exists that connects bystander CPR-certified individuals directly with the over 28 million at-risk cardiac arrest victims.





CPR Connect's Solution: Pulse App + Pulse Device



MARKET SIZE ESTIMATE

- 28 million individuals who are over the age of sixty and who have one or more risk factors for sudden cardiac arrest in the US
- Over **12 million people** are certified for CPR by the American Heart Association annually.

Total estimate~ 40 million individuals



PULSE (HARDWARE) + DIGITAL HEALTH APP

Technology consists of an innovative wearable device that detects both heart rate and respiratory breathing rate to provide two measures to accurately detect a cardiac arrest and reduce false positive rates.

- Wearable notifies 911, emergency contacts, health care providers, and nearest CPR-certified responders of a cardiac arrest through Pulse App.
- Wearable consists of innovative sensors for increased sensitivity.

Technology also consists of a digital health app that locates a victim when a cardiac arrest occurs utilizing Google Map technology.

Pulse App identifies nearest AEDs and notifies CPR Certified responders of an emergency that is
less than 6 minutes away.

Technology is currently being developed and we will be filing for a patent as we progress with customer development.



TIMELINE FOR MVP

-November to February:

- Customer development (interview at-risk patients and responders.
 - Goal: ~100 interviews)
- Value Proposition
- Business Model

-February to March:

Continued app and hardware development

-March to April:

Proof-of-Concept testing

-April to May:

Pilot product to customer segments

