ALVA HEALTH

KEVIN SHETH, MD
CO-FOUNDER

DETECTING STROKE IN REAL TIME
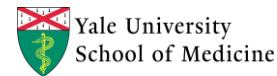
TEAM

SANDRA SALDANA-ORTEGA, PHD, MBA
CHIEF EXECUTIVE OFFICER

EMBA, Yale SOM
PhD, UT MD Anderson Cancer Center
BA, Cornell University

Yale SCHOOL OF MANAGEMENT

KEVIN SHETH, MD
CHIEF MEDICAL OFFICER

Division Chief, Neurocritical Care and
Emergency Neurology
MD, University of Pennsylvania
BA, Johns Hopkins University

Yale University School of Medicine

HITTEN ZAVERI, PHD
CHIEF TECHNOLOGY OFFICER

Assistant Professor, Neurology
PhD, University of Michigan
MSEE, University of Michigan
BSEE, University of Michigan

Yale University School of Medicine

advisors

YALE ENTREPRENEURIAL INSTITUTE
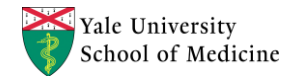
SUSAN FROSHAUER, PHD

President & CEO, CURE
EIR, Yale Entrepreneurial Institute
Ph.D., Harvard University
BA, Connecticut College

Yale

RONALD COIFMAN, PHD

Phillips Professor of Math and Computer
Science
National Medal of Science
National Academy of Sciences
American Academy of Arts & Sciences

YALE ENTREPRENEURIAL INSTITUTE

OCR

Yale SCHOOL OF MANAGEMENT

Center for Biomedical Innovation & Technology

PROBLEM

800,000 acute strokes could be treated

patients arrive in ER *too late*

33 billion in healthcare costs

time is brain

MARKET

33B
HC costs

1.7B - 4B
HC costs
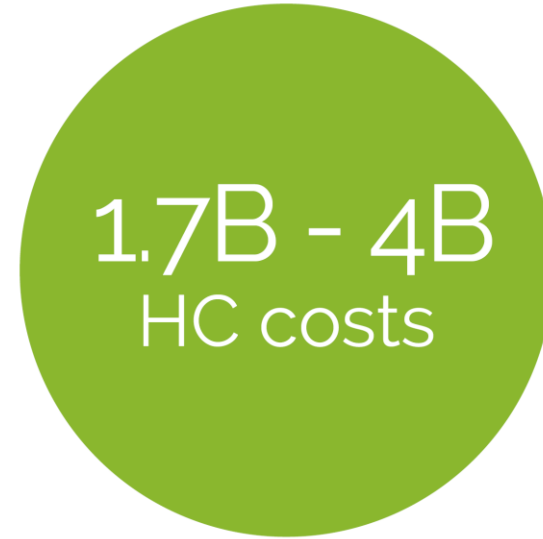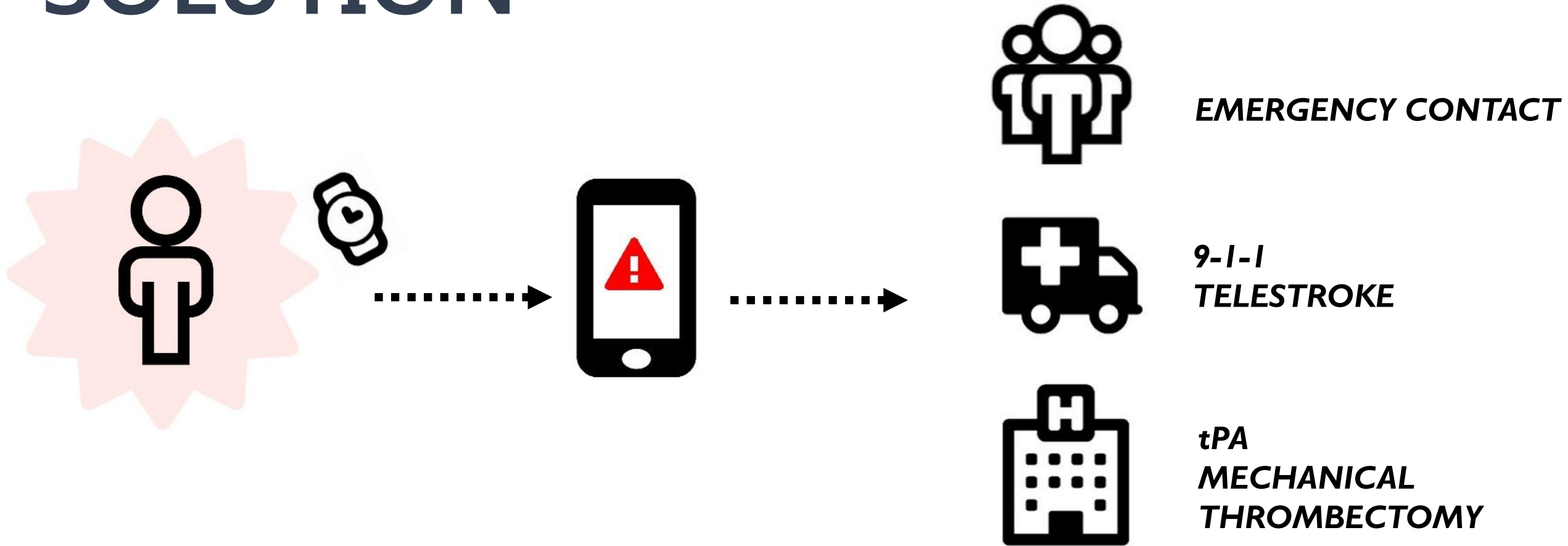
Total Market
800,000 ischemic
strokes per year*

Alva Health
90 day recurrent stroke
and mini-stroke (TIA)**

*source: Centers for Disease Control and Prevention
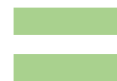**source: NIH/National Institutes of Neurological Disorders and Stroke

SOLUTION

EMERGENCY CONTACT
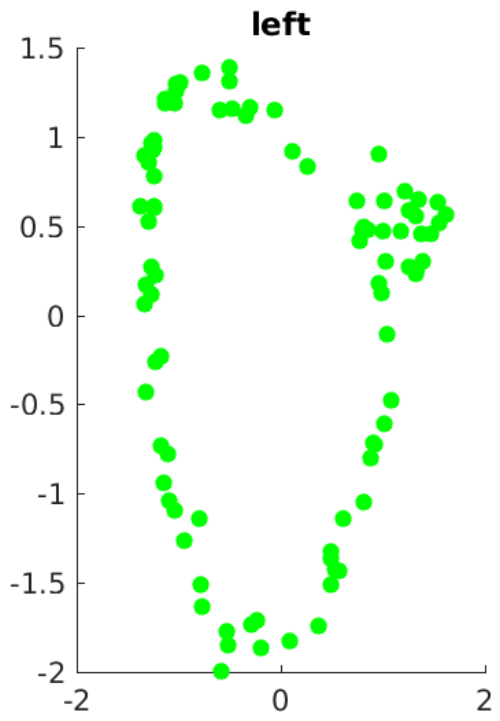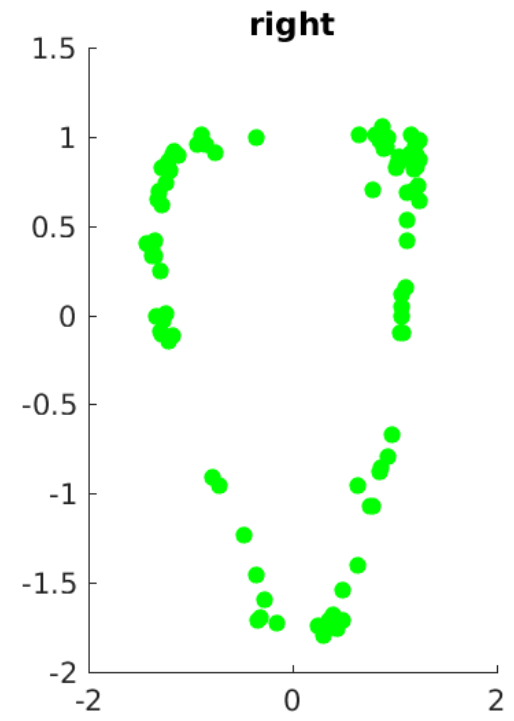
**9-1-1
TELESTROKE**

**tPA
MECHANICAL
THROMBECTOMY**

wearable sensors + *app* = *reduce time to treatment*

NORMAL VOLUNTEER:

STROKE PATIENT:
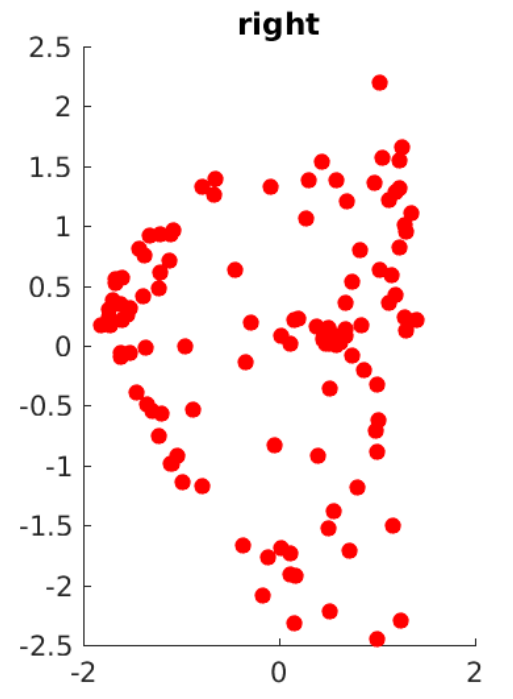
LEFT ARM   RIGHT ARM
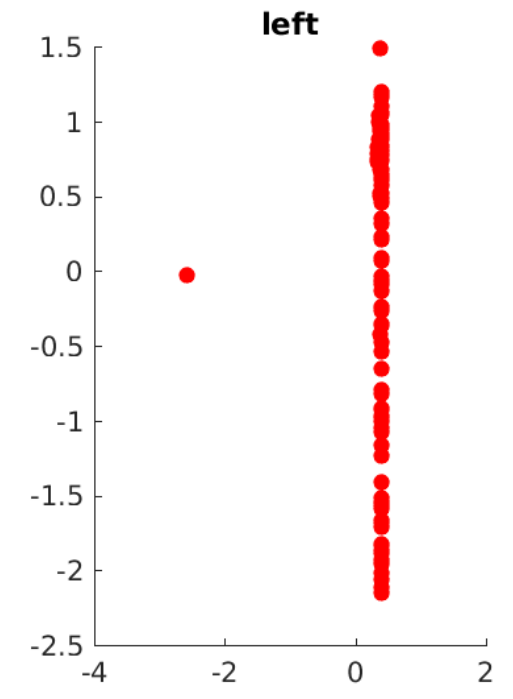
LEFT ARM   RIGHT ARM

severe deficit   *moderate deficit*

TIMELINE

Milestone 1:
Proof-of-Concept
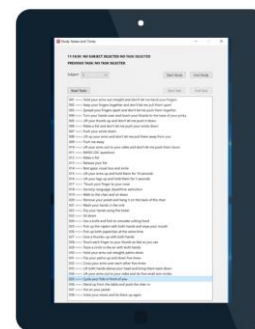Algorithm Validation

Milestone 2:
Continuous Monitoring
INPATIENT

Milestone 3:
Feasibility Safety and
Efficacy (OUTPATIENT)

Milestone 4:
Pivotal Study
(OUTPATIENT)
510k Clearance

Year 0

Year 1

Year 2

Year 3

IBM

FDA

Final Product 1: Rehab
Product

Final Product 2: Stroke
Wearable Monitor

COMPETITION