pulseMobile

DESIGNED & DEVELOPED BY MINDFUL HEALTH

Meet the Mindful Health Team



Chris Fernandez
Team Leader



Olivia Rice Lead UX/UI Developer



Nick Glattard Lead Hardware Developer



Geoff Cohen Lead Customer Developer



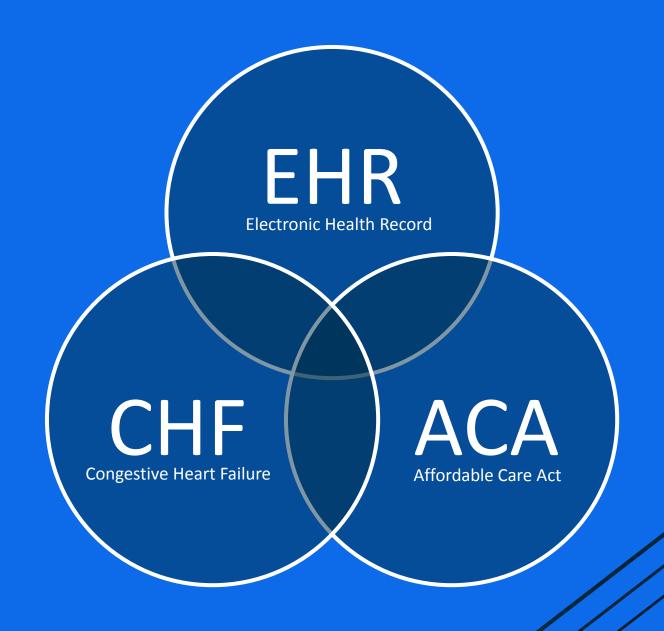
Dr. Fred Robertson Advisor & Mentor



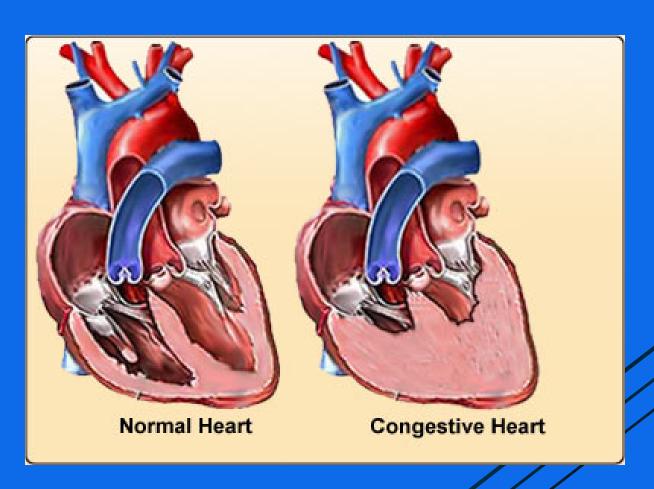
Brandon Jonen Hardware Developer

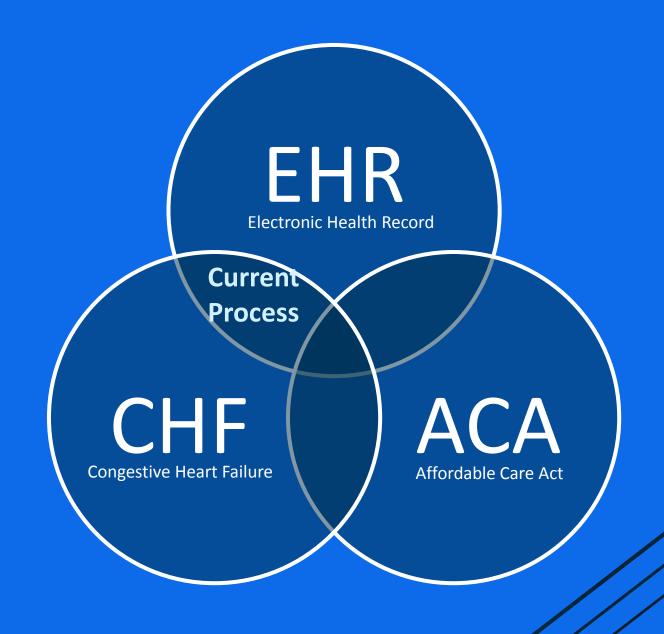


Jared Buckner
Lead Software Developer



CHF Congestive Heart Failure





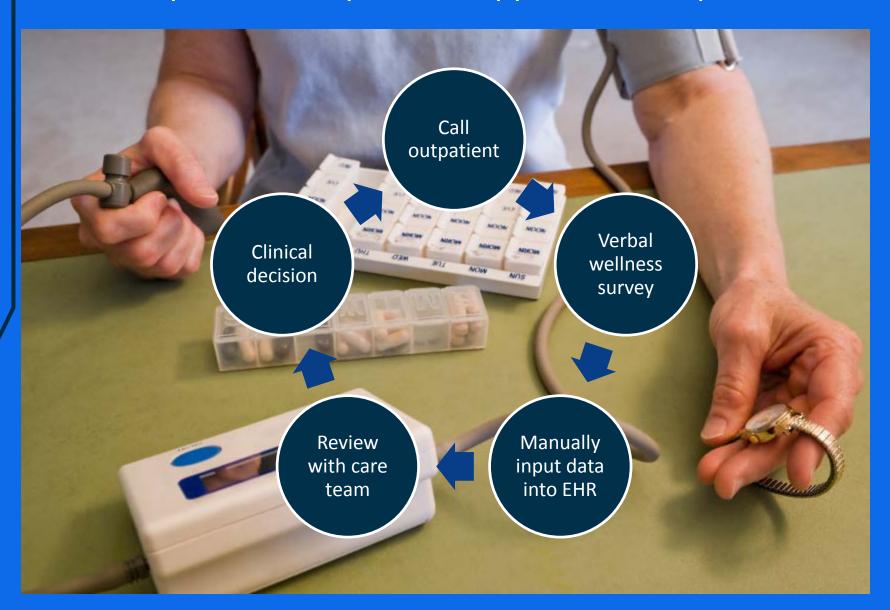
Most 30 day readmissions are *fully avoidable*, yet they still occur frequently

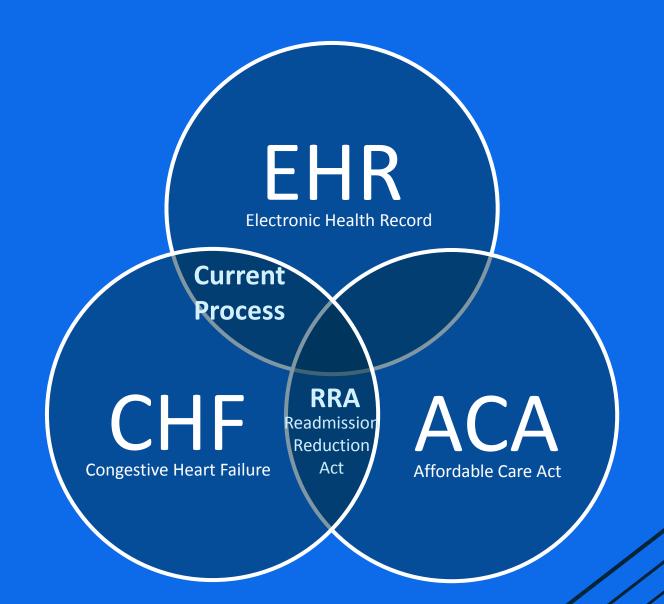
1 in 12 patients are readmitted within 30 days of discharge

Annual cost of 30 day readmissions: \$16.3 billion

30% of adults did not follow up within 30 days of release

Lack of patient compliance cripples current process

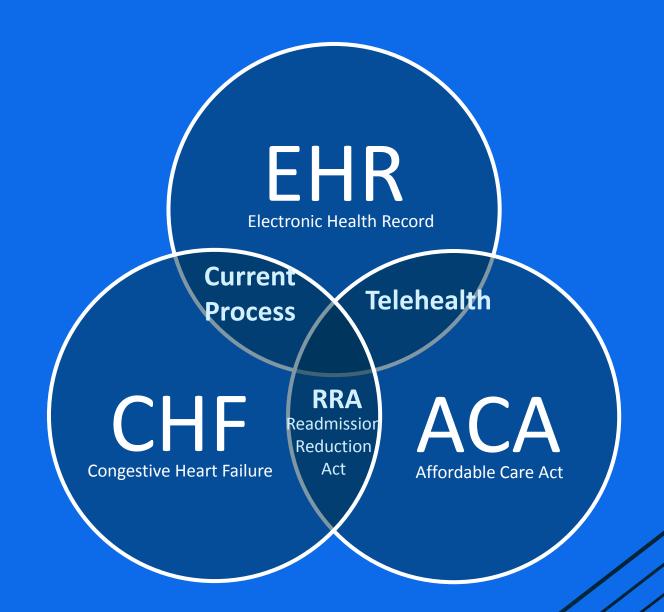




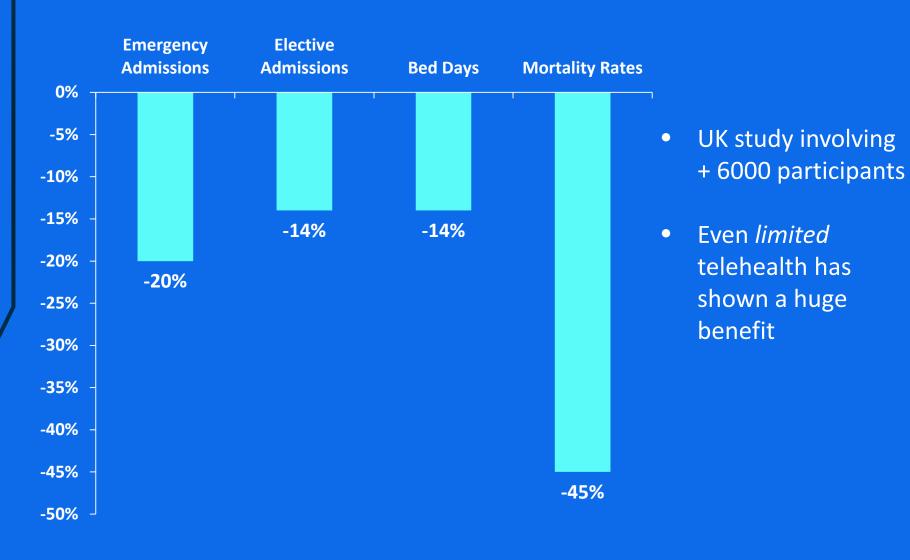
Readmission Reduction Act (RRA)

- Medicare levied **\$227 million** in fines in 2013
- 2,225 hospitals had reimbursements reduced
- 87% of major teaching hospitals
- Targeted at CHF, heart failure, and pneumonia





Average % change in hospital admissions in *limited* telehealth group vs. control



Eliminate Compliance
Problems

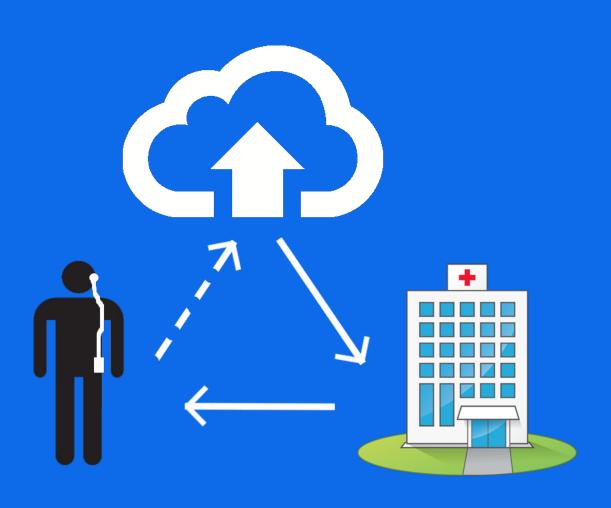


Overcome EHR Integration Barrier

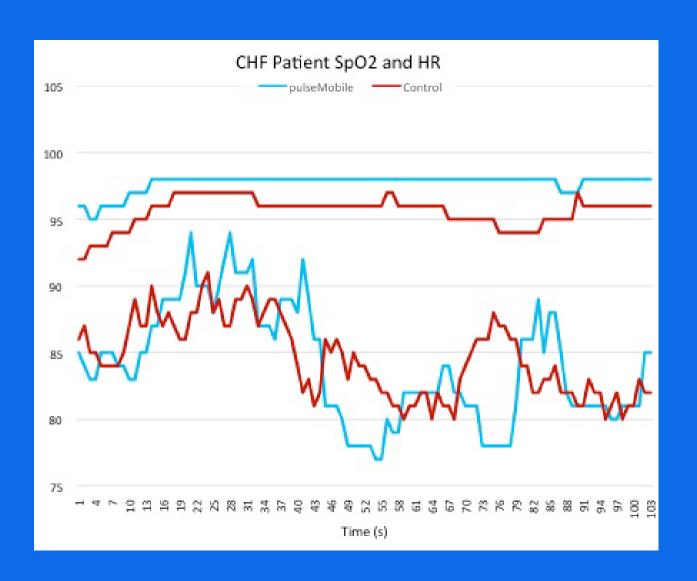
MINDFUL HEALTH CHF ACA Congestive Heart Failure Affordable Care Act

Minimize readmissions and RRA penalties

Introducing pulseMobile



Pulse Oximetry Fundamentals



pulseMobile Device

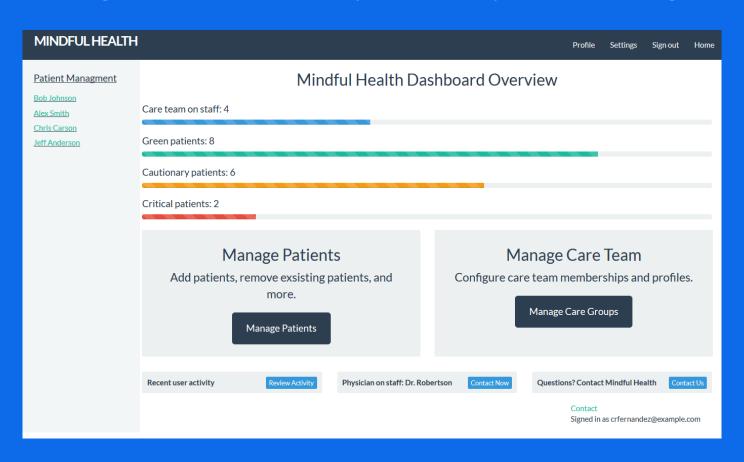
- Out of sight, out of mind form factor
- Fully automated cloud connectivity
- Clinical grade data, in high volume and velocity





pulseMobile Software

- Fluid workflow integration via EHR updates
- Accessible from any desktop, tablet, or mobile device
- Leverage vital and trend analytics for deep condition insight



Go To Market Strategy

Software-as-a-Service

Life-saving Technology







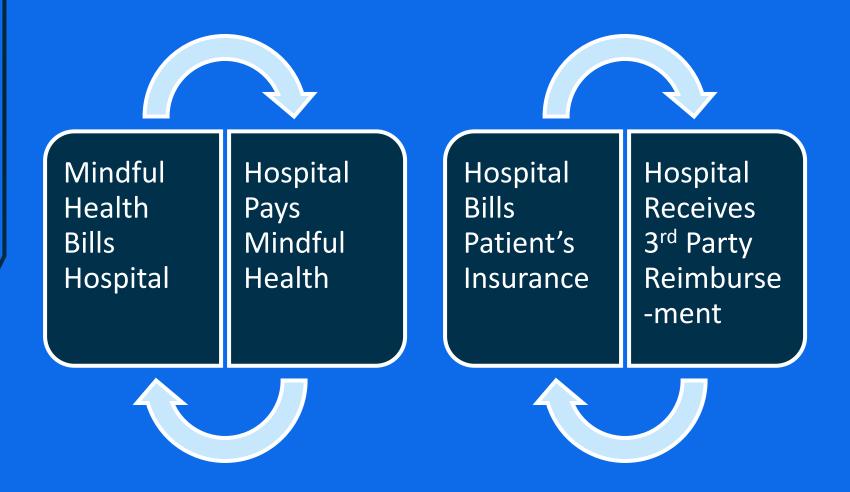
Cost Reduction



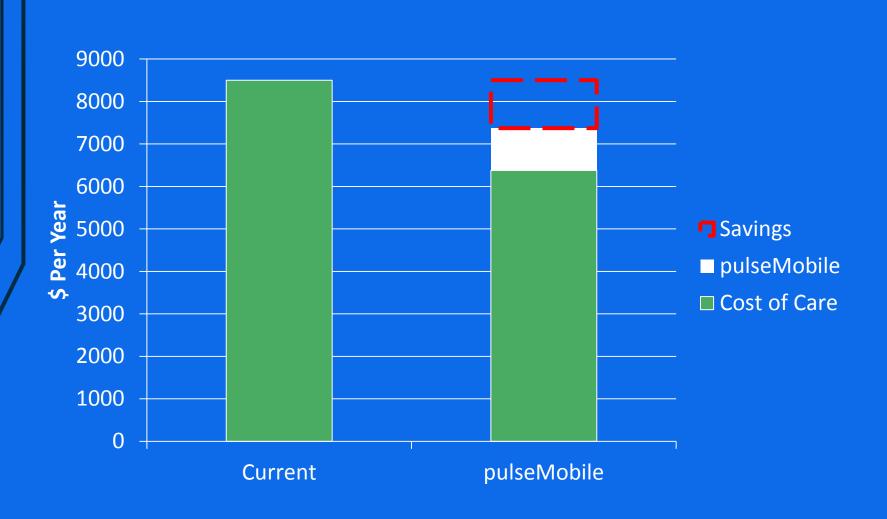


\$80

Hospitals Pay Mindful Health



Cost of Caring for a CHF Patient



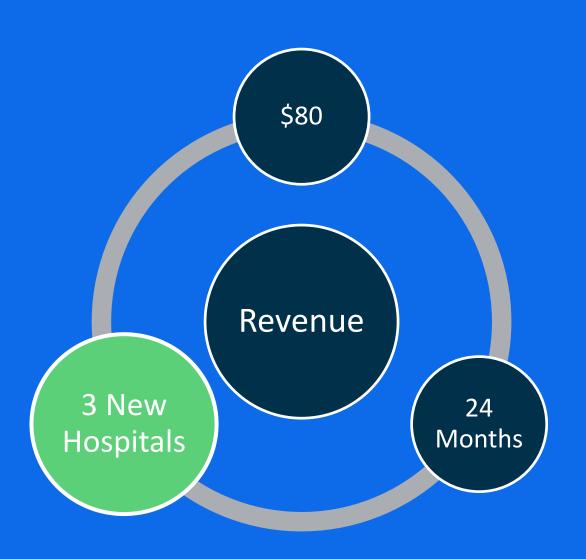
\$80 Per Month



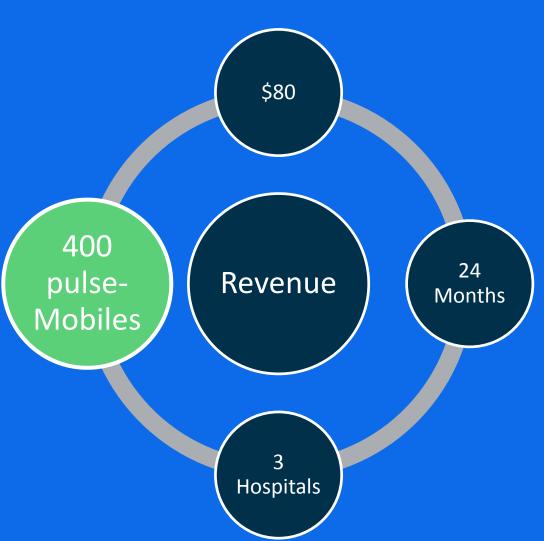
24 Months Per Patient



3 New Hospitals Per Year



400 pulseMobiles Per Hospital



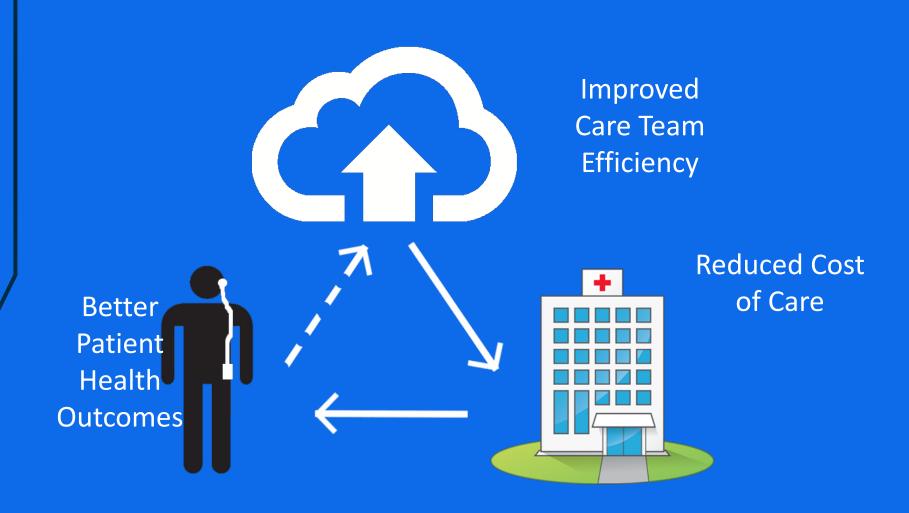
Revenue During Year 3 Operations



Product-Market Fit

	Patients & families	Healthcare providers
Key assumption	Patients will wear the device	Top 5 pain-point for hospitals
Validation test	Serve in-home caregivers as first customers	Secure hospital pilot study
Pivots	Same technology, different package	Pediatric quick- response applications

pulseMobile *Value*



Thank you for listening!

WE WOULD BE HAPPY TO ANSWER ANY QUESTIONS YOU MAY HAVE

Appendices

Barriers to Entry

Government Regulations

- FDA 510K
- HIPAA

Intellectual Property

Signal Processing Algorithm

Barriers to Entry

Competitive Response

- EHR Players
- Medical Device Players

Insurance Reimbursement

Health Technology Approval

Why not Bluetooth?



- Patient compliance
- Target audience is 65+ in age
- Bluetooth transmission not reliable for clinical grade data
- Limited transmission range
- Eventually make the device Wi-Fi,
 Bluetooth and cellular network enabled

Race to Market Costs

High Cost – Low Variability

 Participant recruitment and monitoring

Variability Low Cost – Low Variability

FDA clearance

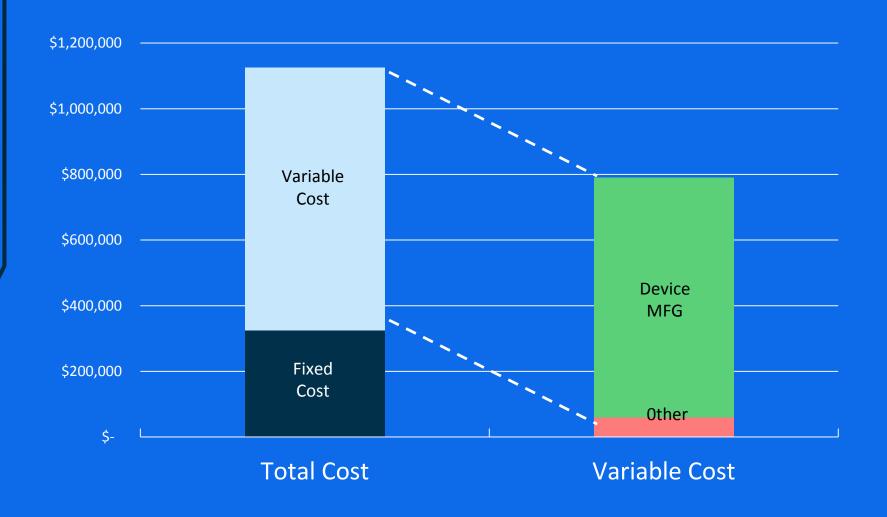
High Cost – High Variability

- Final prototype design
 - Device manufacturing

Low Cost – High Variability

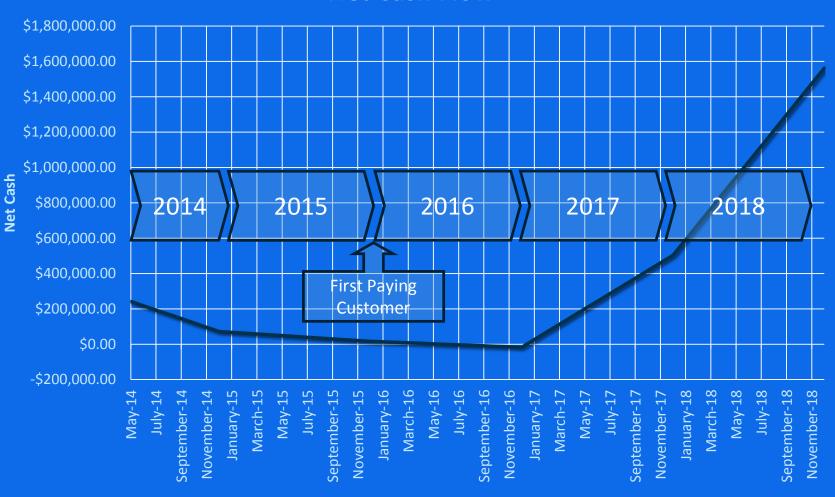
Cost

Cost Structure

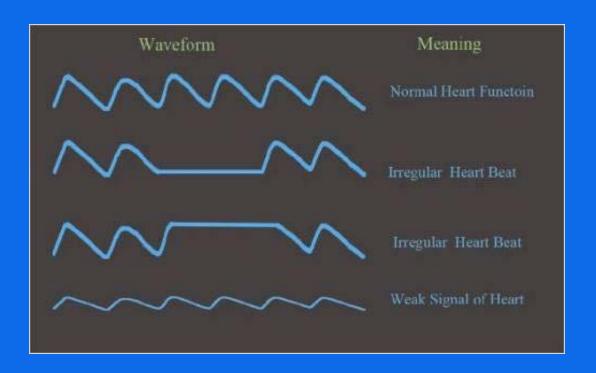


Financial Return

Net Cash Flow



Continuous pulse oximetry monitoring allows clinicians to recognize 'drift'

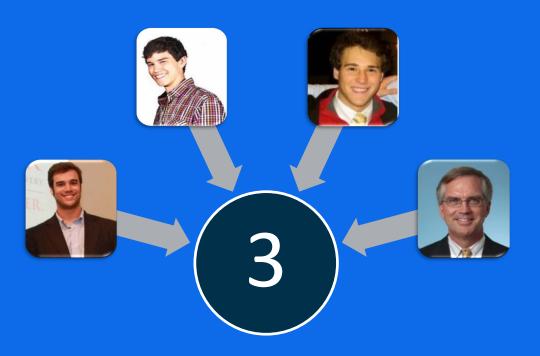


- Poor heart rate control
- Acute bradycardia
- Onset atrial fibrillation

- Pulmonary edema
- Obstructive respiration patterns
- Sleep apnea

Revenue Model Appendices

New Hospitals Per Year



pulseMobiles Per Hospital

$$\frac{1,000,000\ Hospitalizations}{5000\ Hospitals} \times \frac{2\ Years}{Patient}$$

= 400 pulse Mobiles

Market Size ≈ \$3 Billion

