

# Atrility<sup>®</sup>

AI That Sees the Signals Others Miss

Using superior data to build insights that  
transform cardiac care

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CEO

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**Arrhythmias** cause major medical complications and increase total cost of care.

They are increasingly prevalent worldwide.



**400M**

People globally



**60%**

Increase by 2050



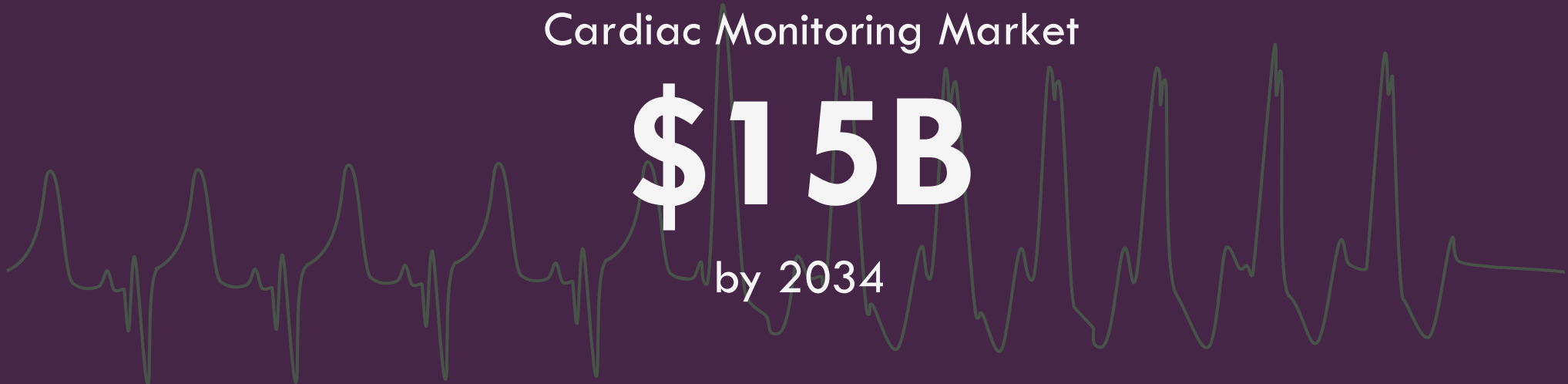
**>40%**

Hospitalized patients

Cardiac Monitoring Market

**\$15B**

by 2034



**33%**

Misdiagnosis on standard bedside monitors with surface leads

**60-90%**

False alarms



LOS by 2.8 days

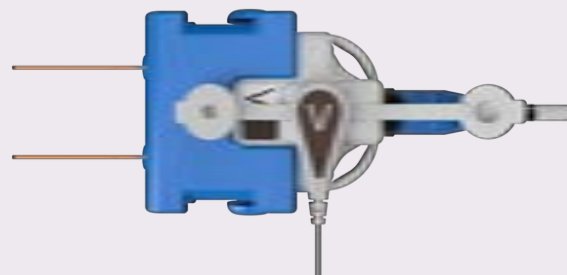
Risk of organ damage

Provider burnout

# The Solution: Data directly from the surface of the heart



## AtriAmp Device



*Unlocks cardiac waveform and displays at bedside*

## Software & AI: ICU and the Entire Hospital



*Insights and Prediction from device*



*AI models to extend benefits of AtriAmp data to all heart monitors*

# Team



**Sean McCormick, MD**  
CEO

13 years in health IT  
including Epic + HIT  
start-ups



**Nick Von Bergen, MD**  
**Pediatric Cardiac  
Electrophysiology**  
CMO & Co-Founder

Internationally  
recognized academic  
physician researcher  
and clinician



**Matt Knoespel**  
CTO  
& Co-Founder

Biomedical Engineer  
and inventor of the  
AtriAmp  
Minor in CS



**Philip Terrien**  
COO  
& Co-Founder

Biomedical Engineer  
and inventor of the  
AtriAmp  
Minor in CS



**Sara Weber**  
Director of Business  
Development

6.5 years in Cardiac  
Sales at Boston  
Scientific



# Board and Advisors



**Elizabeth Hagerman**  
Chief Innovation Officer  
UW Health



**Michael Partsch**  
Chief Investment Officer  
WARF Ventures



**Chris Eckstrom**  
Partner, Rock River  
Capital Partners



**Nick Von Bergen, MD**  
Pediatric Cardiac  
Electrophysiology  
CMO & Founder



# Advisors



**Vikas Chowdry**

- Founder, TraumaCare.ai
- Formerly Epic – Launched Predictive Analytics and Machine Learning



**Ginger Sands**

- Consultant, Commercialization & Strategic Partnerships
- Formerly Neuwave (acquired by J&J), Elucent, GE Healthcare



**Vikas Singh**

- Professor, Dept of Biostatistics
- Researcher, Google DeepMind



# AtriAmp Reveals Unseen Heart Signals + Unlocks Critical Data

## AtriAmp

Patented  
FDA-cleared  
Reimbursed



*AtriAmp connects monitor to wires on the surface of the heart that are routinely placed during cardiac surgery*

Started by a world-renowned pediatric electrophysiologist, Nick Von Bergen, MD

Doctor's brainstorm realized at UW-Madison startup

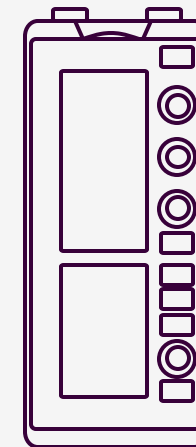
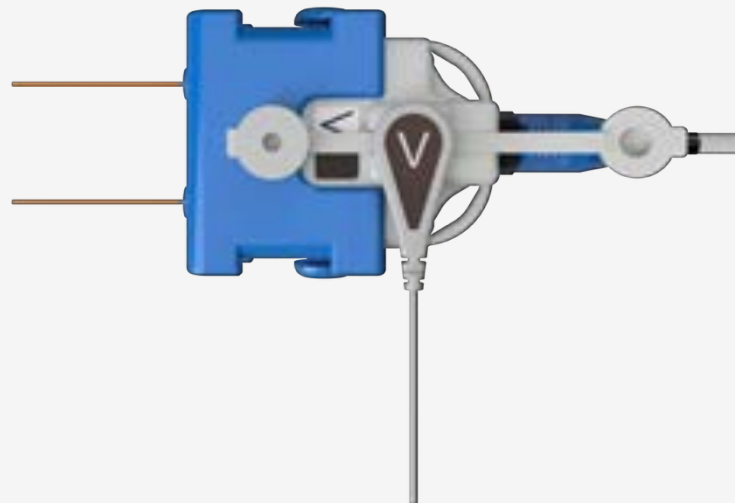
Posted on March 18, 2016



**Atrility helps clinicians know patient's post-operative heart rhythm at all times.**

# The Device: AtriAmp Unseen Signals on Bedside Monitor

*AtriAmp connects monitor to wires on the surface of the heart that are routinely placed after cardiac surgery for external pacing*



Medtronic External Pacemaker

Surface ECG  
(since 1895)

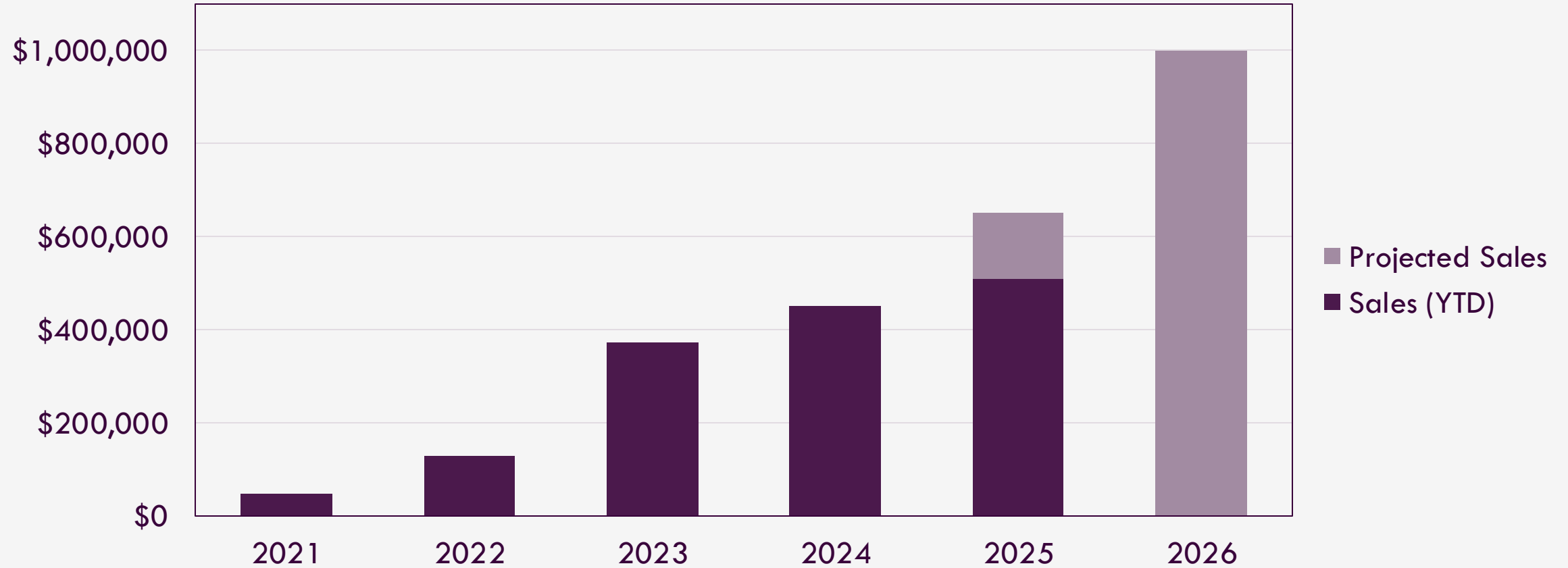
AtriAmp ECG



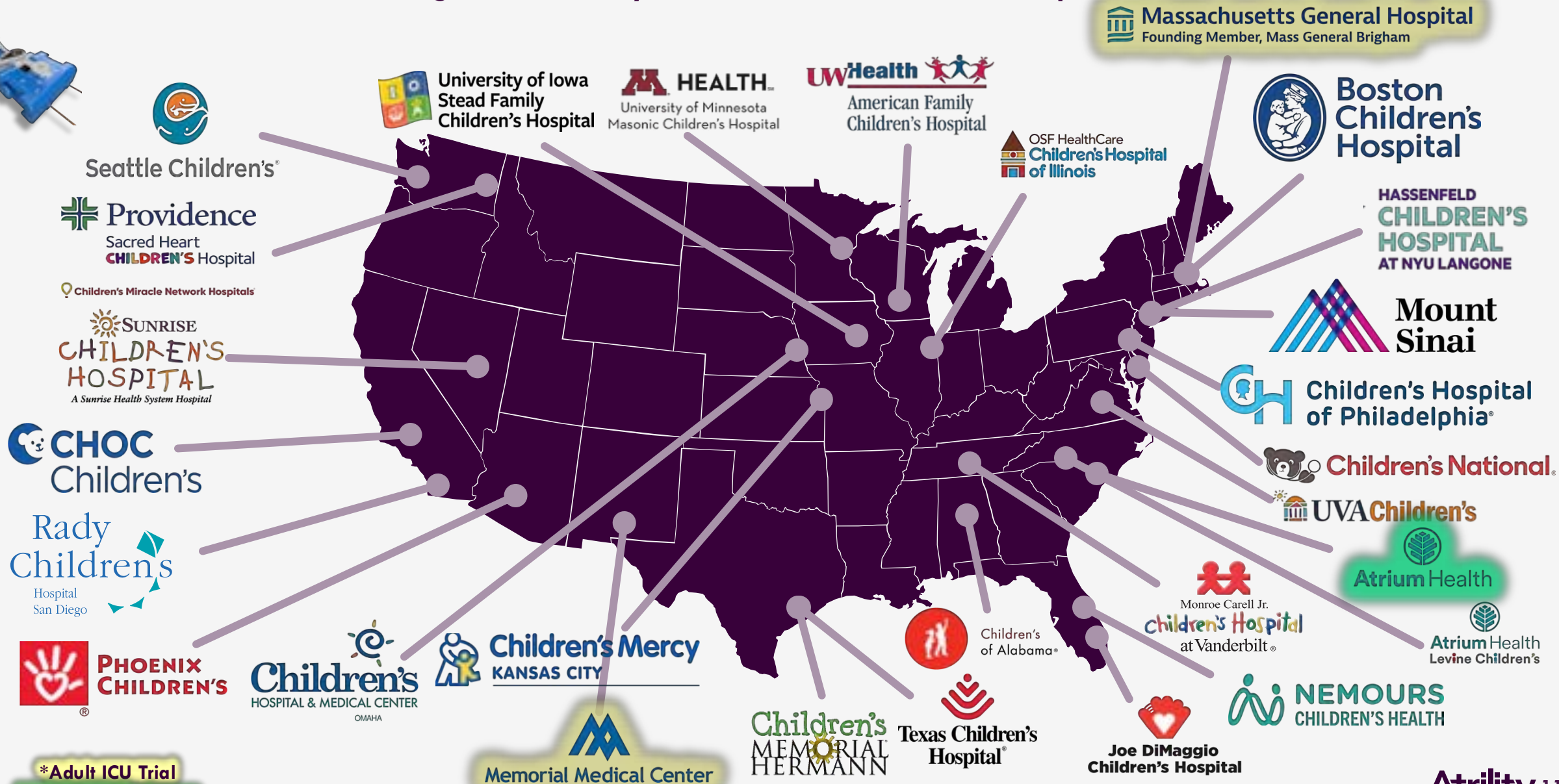
*AtriAmp provides signals not seen on previous standard of care*

# AtriAmp Sales Revenue

>80% Gross Margin



# Device Traction: Leading Health Systems Use the AtriAmp

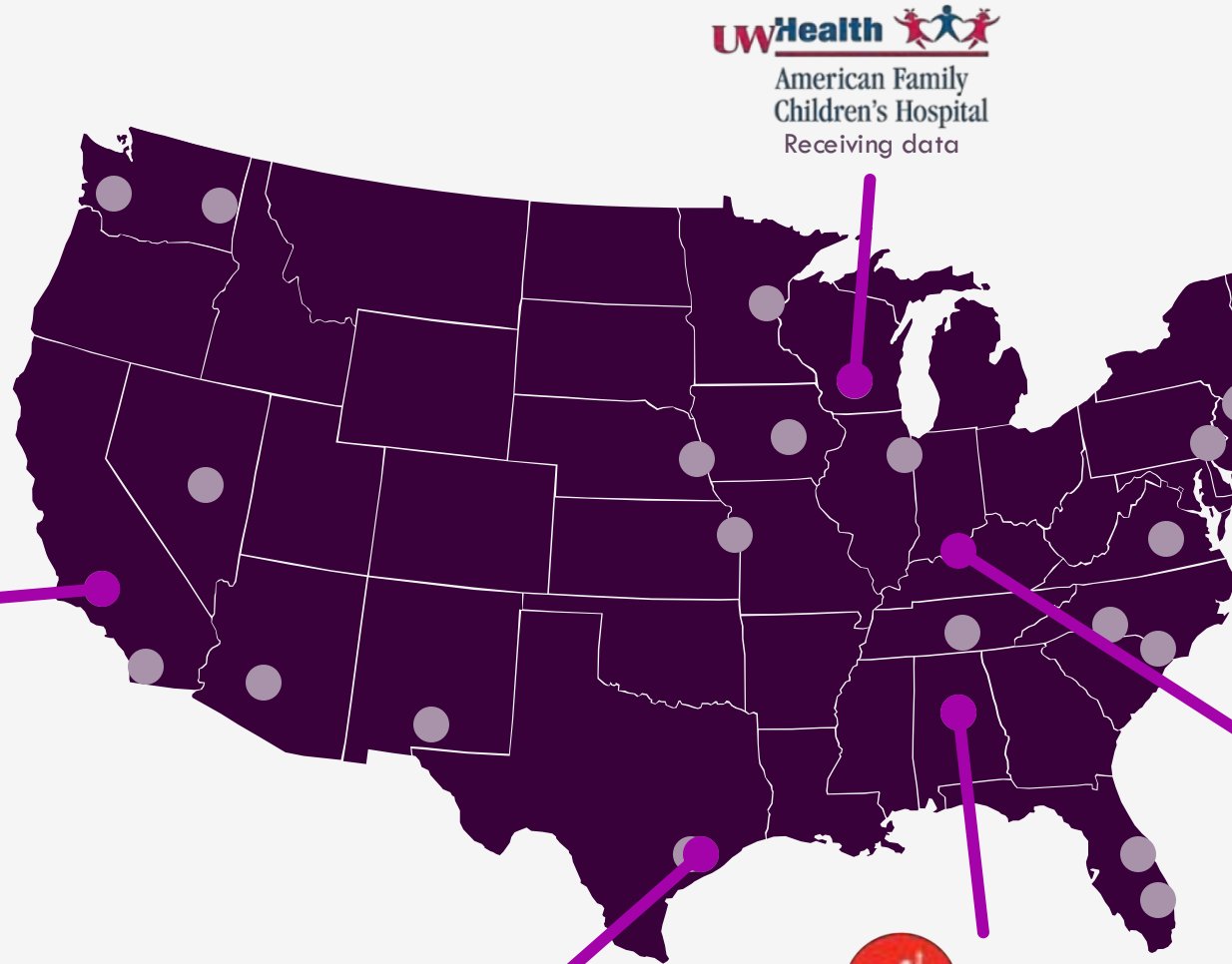


\*Adult ICU Trial  
\*Adult ICU Customer

Over **300,000** hours of continuous waveform data has passed through our devices

We have begun collecting data from sites to create software and AI models

**UCLA Health**  
Data use agrmt signed



**UWHealth**  
American Family  
Children's Hospital  
Receiving data

**Massachusetts General Hospital**  
Founding Member, Mass General Brigham  
Research protocol in contracting

**YALE-NEW HAVEN HOSPITAL**  
Data contracting

**UNIVERSITY OF LOUISVILLE**  
Data contracting

**Texas Children's Hospital**  
Receiving data

**Children's of Alabama**  
Data use agrmt signed

# Software: From Device to Clinical Insights

Automated Rhythm Diagnosis and Logging; Equivalent to cardiologist monitoring patient rhythm 24/7

## Without Atrility Software (Current Practice)

Providers Must Manually Interpret & Log Rhythm



Provider Interprets Waveform

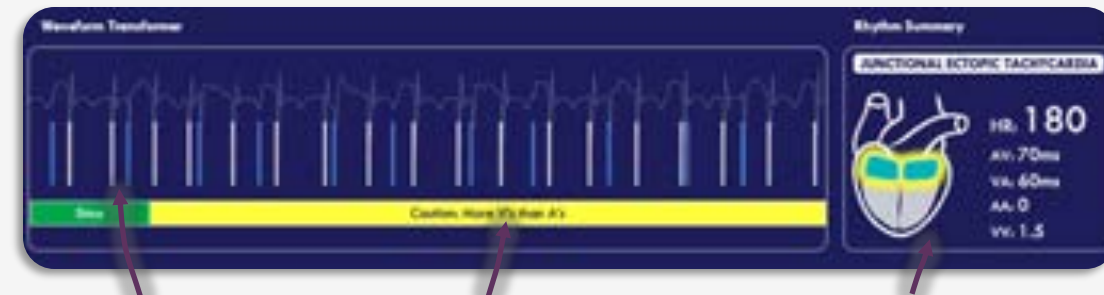


Notes Manually Entered into Electronic Medical Records

## With Atrility Software

Show What Cardiac Experts See in Their Head

Highlight most important features in waveform; Analyze rhythm



Highlight A's and V's

Interval and Double Count Warnings

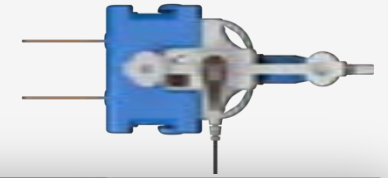
Label Rhythm Highlight Stress Region of Heart

**Version 1 – Mid-2026**

Two Letters of Intent from Customers

# Software: Prediction of future arrhythmias

First proof-of-concept early 2026



AI-powered predictive models for the ICU, trained on AtriAmp data

Giving clinicians time to prevent critical arrhythmias before they occur



# Beyond the AtriAmp: Improving Analysis from Standard Surface Lead Waveforms

AI Model trained with AtriAmp data to improve arrhythmia identification from standard surface lead waveforms

*Using the AtriAmp's exceptional p-wave signal to train a machine learning model to correctly identify weak p-wave signals or subtle p-wave morphologies often missed by ECG labeler algorithms*

*Our model will improve p-wave detection on waveforms from standard surface leads*

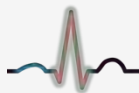
Using the **Best Data** to Build Models with...



Better arrhythmia detection

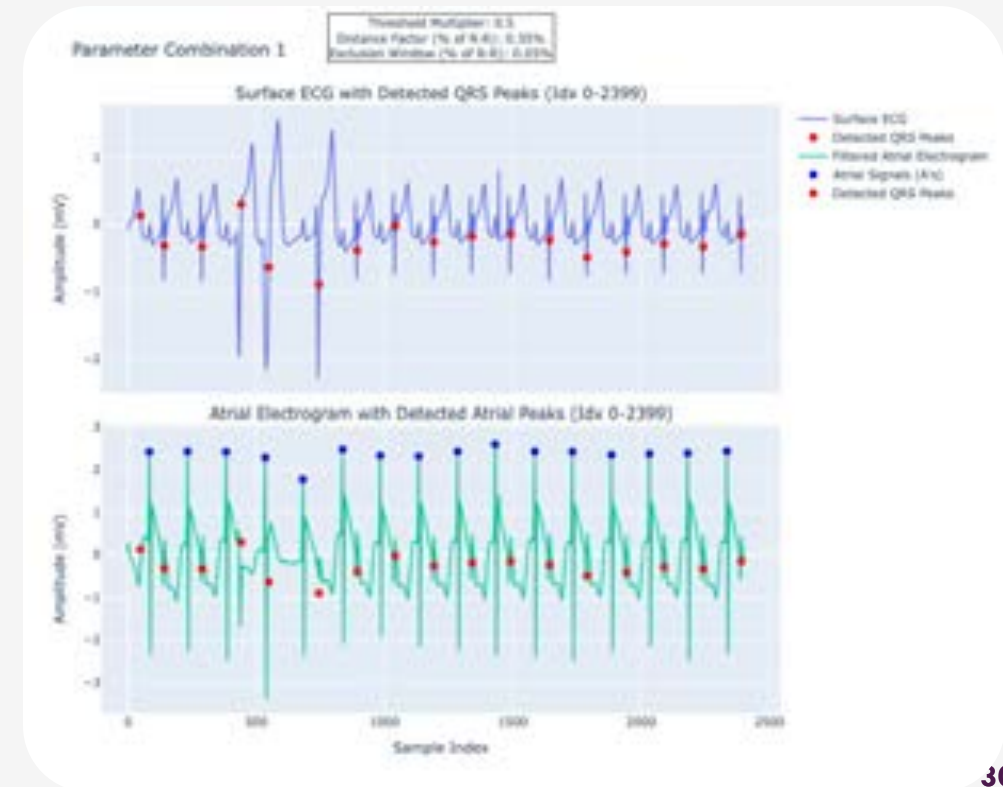


Reduced inappropriate alarms



Prediction of future arrhythmias

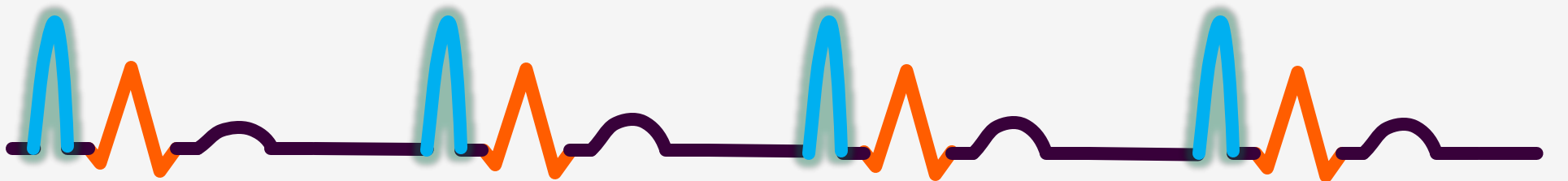
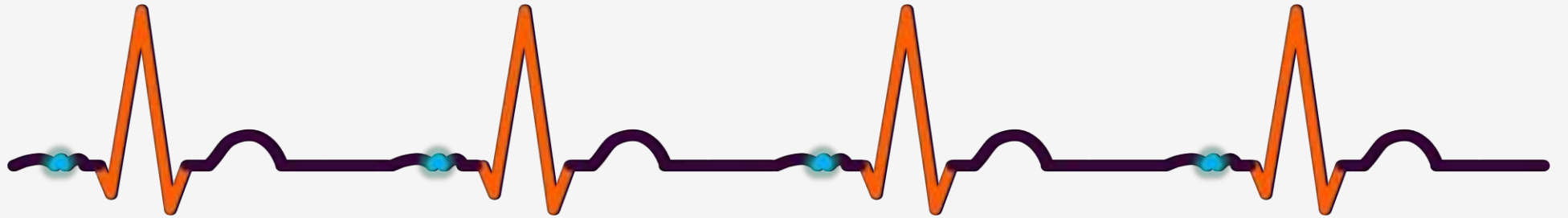
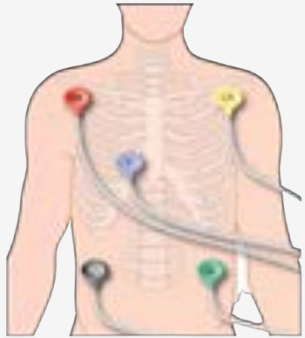
... for the **Entire Hospital**



# Improving Standard Surface Lead Signals

First proof-of-concept late 2026

AI Model will be trained with AtriAmp data to improve arrhythmia identification from standard surface leads



# Cardiac monitoring on the hospital floor

Our AI Model will improve monitoring for patients without the AtriAmp



Better arrhythmia detection



Reduced inappropriate alarms

- Estimated **25% of hospital beds** equipped for cardiac monitoring
- Requires constant attention to identify life-threatening arrhythmias
- **Inaccurate alerting** causes “alert fatigue” and missed emergencies



# Beyond the Hospital Walls

Our AI model will improve Holter and ECG Patch monitoring

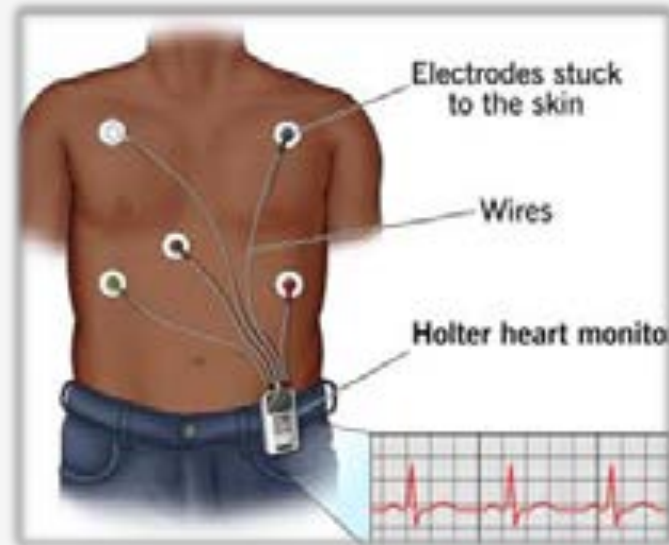


Better arrhythmia detection



Reduced inappropriate alarms

Medical-grade home cardiac monitoring is a rapidly growing market, expected to top **\$4.8B** in 2030



**PHILIPS**  
Healthcare



# Showing Better Signals is Just the Beginning

Improved rhythm analysis and prediction reduces the burden of unnecessary alarms and enables proactive care

## Better for Clinicians

Simplifying diagnostic complexity and reducing alarms

Alarm fatigue independently correlates with RN burnout

## Better for Hospital Systems

Reduce LOS w/ proactive risk-based management

Post-op arrhythmias extend LOS by an average of 2.8 days

## Better for Patients

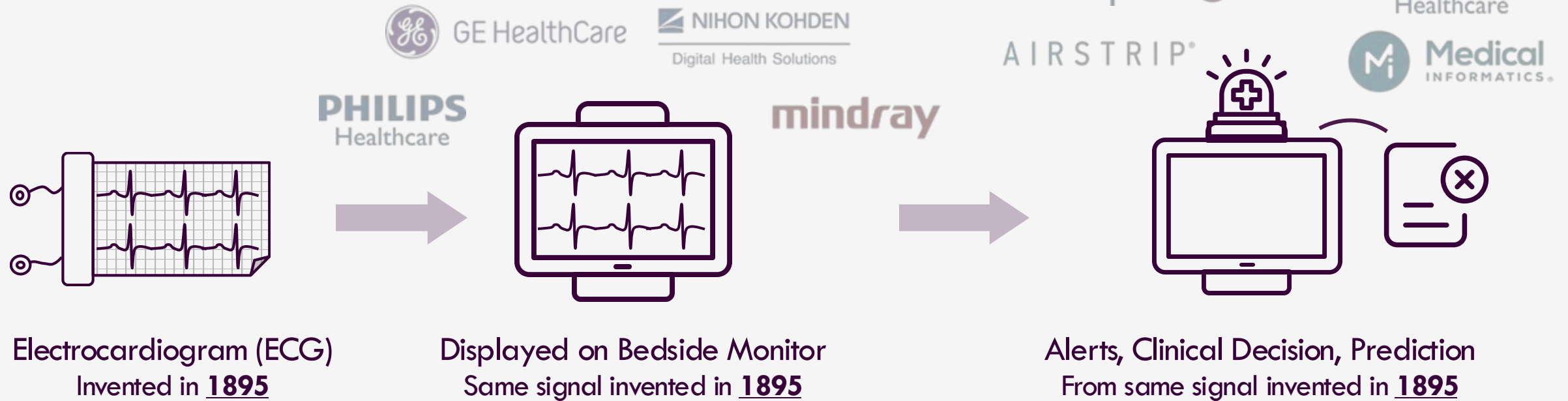
Faster treatment, fewer complications, better outcomes

Arrhythmias increase short- and long-term risk of stroke and other medical conditions



# Our Competition

## Monitoring



## Prediction (Society Risk Indices)



The Society of Thoracic Surgeons



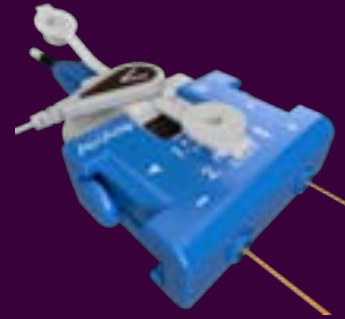
Index predicts outcome

Index predicts cardiac arrest

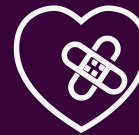
*Our advantage lies in our patented device, connected directly to wires on the patient's heart, providing the best possible data in unprecedented volume.*

# High Margin Disposables w/ Direct Cardiac Access

\$499/device, 84% gross margin



**1M**  
Annual Heart Surgeries  
Worldwide



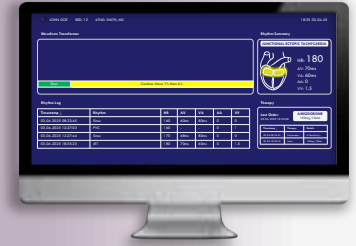
**130,000**  
US Valve/Peds Surgeries



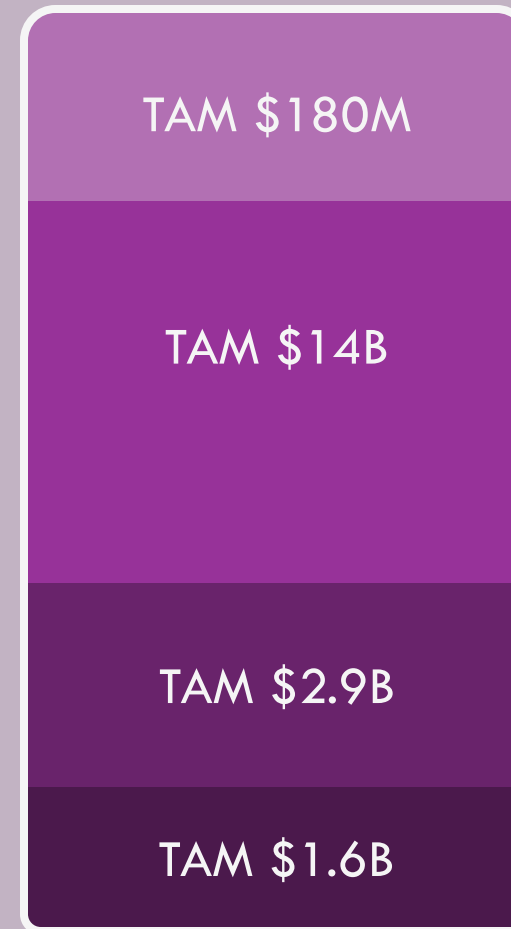
Inputs:

- U.S. high risk surgeries 130,000 (valves, CHD, transplant)
- AtriAmp sale price of \$499/device, COGS: \$48

# Cardiac Software from Direct Cardiac Access



**Total \$18B**



**>12M**  
Ambulatory Monitoring Pts

**9M** Telemetry Beds

**2M** ICU Beds

**400k**  
CICU, PICU, NICU beds

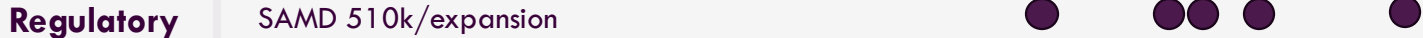
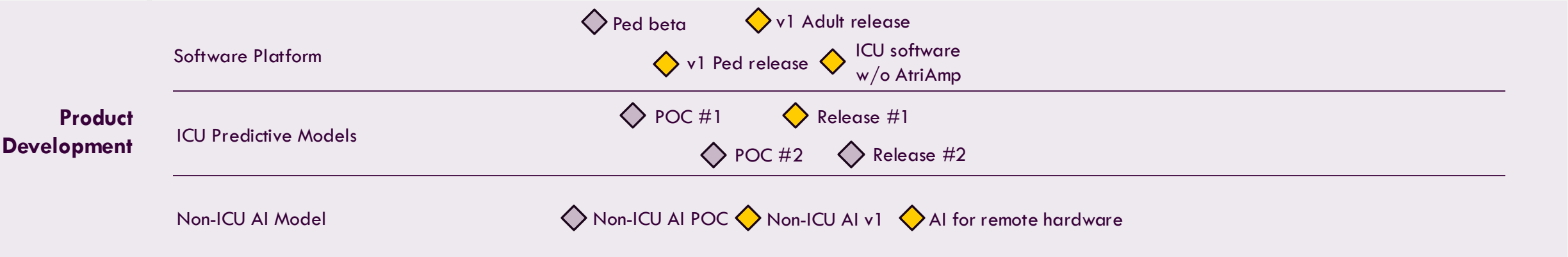
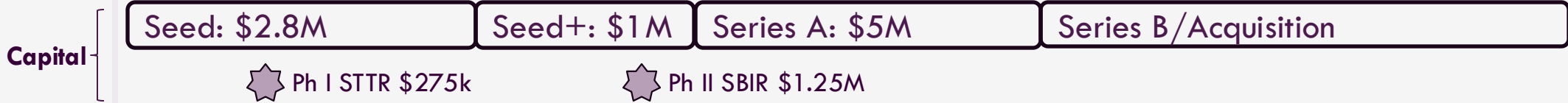
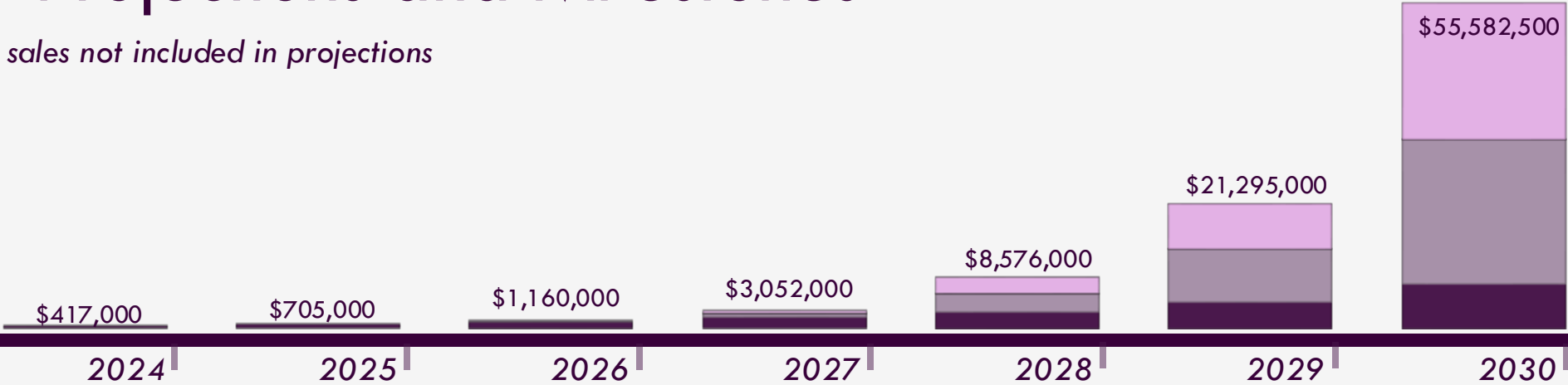
Inputs:

- Software License @ \$4,000/yr per ICU bed<sup>2</sup> to Hospital
- Software License @ \$1,600/yr per telemetry bed
- \$15/ambulatory cardiac study

# Revenue Projections and Milestones

■ AtriAmp Device   ■ ICU Software   ■ Non-ICU

- International sales not included in projections



## Raise: Series A

**\$5.0M Series A Round**, early 2026

### Priorities:

- Accelerate software development
- Accelerate data acquisition
- Increase and support sales
- Clinical studies (device, software/AI models)

**Most Recent Valuation: \$9,601,501**

(\$2.1M Seed Round – 2022)

# Atrility<sup>®</sup>

AI That Sees the Signals Others Miss

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CEO

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