

PROBLEM

Heart failure **costs the US economy \$100B annually**

Inadequate monitoring tools result in poor patient management and **\$6B in preventable hospital losses.**

The Heart Failure patient journey



INITIAL DIAGNOSIS

Lengthy & costly

- **80% of patients are diagnosed too late¹**
- Time to diagnosis >11 weeks¹



ACUTE (IN-HOSPITAL) CARE

Inexact & time-consuming

- **40% of patients are still unstable** at discharge⁴
- Resource-intensive & loss-making admissions³



ON-GOING TREATMENT

Disjointed community care

- **Lack of sufficient tools** to manage patients⁶
- Shortage in chronic disease centers

¹MR Cowie, 2017, ²Patel J, 2021, ³Internal calc. Avg Medicare Claims for DRG291 DRG292 DRG293,

⁴Abraham WT, et al. 2021, ^{5,6}Abrahams W, et al. JACC 2018

Using **intracardiac pressure (ICP)** is the most effective way of understanding and managing heart failure, but there are **no non-invasive solutions in the market**^{1,2}.



WE KNOW THAT ...

Having ICP monitoring enables earlier diagnosis, **reduces admissions and improves mortality rates**³⁻⁵



... BUT ...

All existing monitoring tools are **invasive, high cost and have limited applicability**⁶⁻⁸



... WE NEED

A **cost-efficient and scalable ICP monitoring solution** to improve patient outcomes⁹

SOLUTION

Acorai has developed the first handheld, non-invasive intracardiac pressure monitor to **improve workflow efficiencies and patient outcomes**



Strong IP position: 3 granted patent families, 4 patent families pending large proprietary datasets

UNIQUE & SUPERIOR TECHNOLOGY

- ➔ **Built on the patented SAVE Sensor System**
Combining **S**eismocardiography (**SCG**), **A**coustic (**PCG**), **V**isual (**PPG**), and **E**lectrocardiography (**ECG**) sensors
- Combined with one of the largest datasets of its kind

ACCURATE, ABSOLUTE AND ACTIONABLE

- ➔ **Within minutes, providing direct estimates of**
Right atrial pressure (**RAP**), pulmonary pressure (**PAP**), pulmonary capillary wedge pressure (**PCWP**)
- Clinically preferred output for heart failure treatment

IMPROVED TIME AND COST EFFICIENCY

- ➔ **Remove delays in treatment and enable proactive care**
Acorai allows healthcare professionals to **diagnose**, risk **stratify**, **treat**, and **discharge** plan with fewer **resources**
- Reducing readmissions and hospital costs resulting in **average direct hospital care savings of \$1M p.a.**