

Next-Generation Heart Failure Management

The Power of Prediction Delivers Value-Based Payment Return on Investment

The Opportunity for New Value

Heart failure (HF) is a progressive condition that results in at least 1 million hospitalizations each year¹, and half of all patients admitted for HF are readmitted within 6 months.²

Patients with advanced cardiopulmonary conditions such as HF present a tremendous opportunity for value-based payment (VBP) programs. But there are some challenges.





10.5% of Medicare beneficiaries have been diagnosed with HF¹



34% of all Medicare spending is for patients with an

HF diagnosis²



22.9%

of admitted HF patients are readmitted within 30 days³



50%

of admitted HF patients are readmitted within 6 months³

90-Day Mean Total Costs: Admission + Post Acute⁴

\$10,500

S11,332

30-day post-discharge **S7.126** cost of care per HF admission

> 31- to 90-day postdischarge cost of care per HF admission

Mean inpatient cost

of an HF-specific admission

\$28,958 90-day mean total cost of care of an HF admission

Solutions that monitor late-stage symptomology create reactive clinical scenarios and have not had a large impact on the cost of care.

Hemodynamic monitoring has shown the ability to predict cardiopulmonary events such as heart failure earlier. However, the most effective of these solutions are invasive and make it difficult to generate a VBP return on investment (ROI).

HF COHORT (PPPY)

90-Day Total Cost of Care, HF Admission ⁴
Worsening HF-Related Admissions/Year ^{5,6}
Annual Total Cost of Care, HF Admission
Sensinel Potential Annual Costs Reduction

Sensinel[™]: Next-Generation HF Management

The Sensinel CPM System provides an advanced noninvasive solution to monitor early hemodynamic changes for patient care teams that can support early intervention and potentially help reduce high-cost events and improve total cost of care results-and drive VBP ROI.

THE SITUATION

- The high costs associated with HF-related hospitalizations can be dramatically reduced with earlier prediction
- Of more than 6.5 million HF patients, 1 million stand to benefit from Sensinel



- Sophisticated predictive algorithms with low false alerts
- No information overload
- Ecosystem for "last-mile" care

\$28,958
1.5 - 2
\$50,677
\$17,000 - \$20,000

THE HOW

Multiple sensors

- Heart: Increased filling pressures, rhythm abnormalities
- Lungs: Respiratory parameters, intrathoracic fluids
- Kidneys: Electrolyte imbalance



THE SENSINEL SOLUTION

Noninvasive

- On the body for only 3-4 minutes a day
- Data analyzed in the cloud and triaged to external care team



The Sensinel CPM System: Potential Economic Benefits

- Replace lower-margin DRG admissions with higher-margin admissions
- Decrease acute HF patient care incidences; increase scheduled patient visits
- Reduce care manager nurse-to-HF patient ratio and staffing costs
- Reduce 30-day readmission rates and penalties
- Reduce hospitalizations, ED visits, and SNF admissions

- Enhance patient satisfaction, resulting in improved Quality Scores
 - Medicare Hospital Quality Metrics
 - MIPS scores (physicians)
 - Star Scores (Medicare Advantage Plans)
 - ACO Quality Metrics
- Lower patient out-of-pocket costs
- Improve clinical workflow and enhance communication among clinical team





CORPORATE HEADQUARTERS

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NOTES

All-Cause Admissions/Year: 3/year^s کا

*HF-Related admit of 50% is across all HF beneficiaries with an admit over a 6-year period regardless of NYHA Classification type. Our solution is intended for Class 2,3,4 and not Class 1 patients.
*Sensinel Potential Annual Cost Reduction (\$17,000) includes incremental, hospital-related costs only; excludes baseline costs.

*We believe the Sensinel Potential Annual Cost Reduction (\$20,000) is inline when compared to invasive, remote monitoring devices which provide a far lesser number of measurements.